

DR. KOMPATSIARIS IOANNIS

Electrical and Computer Engineer
Senior Researcher (Researcher A')
Multimedia, Knowledge and Social Analytics Lab, Head
Information Technologies Institute
Centre for Research and Technology Hellas

6th Km. Charilaou – Thermi Road
P.O. Box 36061, 57001 Thermi – Thessaloniki, Greece
TEL: +30 2311 257774, FAX: +30 2310 474128
EMAIL: ikom@iti.gr, WEB: http://mklab.iti.gr/mklab_people/~ikom/

◆ **EDUCATION**

- 1996-2001 Ph.D. at the Department of Electrical and Computer Engineering of the Aristotle University of Thessaloniki. Supervisor: Prof. M. G. Strintzis. Subject: Coding of stereoscopic image sequences using 3D models.
- 1991-1996 Diploma from the Department of Electrical and Computer Engineering of the Aristotle University of Thessaloniki. Telecommunications Division. Graduation grade: 8/10. Graduation rank: 3rd. Diploma thesis subject: Compression of stereoscopic image sequences using 3D models.

◆ **POSITIONS**

- January 2014 - **Deputy Director**, Centre for Research and Technology – Hellas, Information Technologies Institute (CERTH/ITI).
- January 2014 - **Founder, Research and Innovation Management**, infalia spin-off company, Smart Cities and Analytics solutions.
- Ocotober 2013 - **Researcher Grade A' (Professor)**, Centre for Research and Technology – Hellas, Information Technologies Institute (CERTH/ITI).
- March 2009 –
September 2013 **Researcher Grade B' (Associate Professor)**
- September 2007 - Founder and head of **Multimedia Knowledge Laboratory**. (<http://mklab.iti.gr>). Renamed to Multimedia, Knowledge and Social Media Analytics Lab in 2013.
- 2006 – 2009 **Researcher Grade C' (Assistant Professor)**, CERTH/ITI.
- 2003 – 2006 **Researcher Grade D' (Lecturer)**, CERTH/ITI.
- 2001 - 2003 **Research Associate**, CERTH/ITI.
- 1996 - 2001 **Research Assistant**, Information Processing Laboratory. Department of Electrical and Computer Engineering, Aristotle University of Thessaloniki.

◆ **RESEARCH INTERESTS**

Image and Video analysis, machine learning and semantic annotation of multimedia, social media and big data analysis and information extraction, multimedia ontologies and reasoning, search and personalization for multimedia applications, medical image and e-Heath applications.

◆ RESEARCH PROJECTS

Researcher A'

- 2018-2020 **V4Design:** Visual and textual content re-purposing FOR(4) architecture, Design and video virtual reality games, Research and Innovation Actions (RIA), Horizon 2020, budget ITI:681.250, **Project Coordinator.**
- 2018-2020 **CUTLER:** Coastal Urban developmenT through the Lenses of Resiliency Research and Innovation Actions (RIA), Horizon 2020, budget ITI:656.250,00, **Project Coordinator.**
- 2018-2020 **SUITCEYES:** Smart, User-friendly, Interactive, Tactual, Cognition-Enhancer that Yields Extended Sensosphere - Appropriating sensor technologies, machine learning, gamification and smart haptic interfaces Research and Innovation Actions (RIA), Horizon 2020, budget ITI: 246.875,00.
- 2017-2020 **eOPEN:** opEN interOperable Platform for unified access and analysis of Earth observatioN data, Research and Innovation Actions (RIA), Horizon 2020, budget ITI: 355.000,00.
- 2017-2020 **FUTUREPULSE:** Multimodal Predictive Analytics and Recommendation Services for the Music Industry, Horizon 2020, Innovation Actions (IA), προϋπολογισμός ΙΠΤΗΛ (Ομάδα Ι.Κομπατσιάρη): 406.250,00.
- 2017-2020 **ROBORDER:** Autonomous swarm of heterogeneous RObots for BORDER surveillance, Horizon 2020, Innovation Actions (IA), budget ITI (MKlab): 356.000,00.
- 2017-2020 **Activage:** ACTivating InnoVative IoT smart living environments for AGEing well, Horizon 2020, Innovation Actions (IA), budget ITI: 200.000.
- 2017-2019 **beAWARE:** Enhancing decision support and management services in extreme weather climate events, Horizon 2020, Innovation Actions (IA), budget ITI: 1.059.184,00 €, **Project Coordinator.**
- 2016-2018 **ENVISAGE:** ENhance VIRTUAL learning Spaces using Applied Gaming in Education, Horizon 2020, Innovation Actions (IA).
- 2016-2018 **PROFIT:** Promoting Financial Awareness and Stability, Horizon 2020, Research and Innovation Actions (RIA).
- 2016-2018 **INVID:** In Video Veritas Verification of Social Media Video Content for the News Industry, Horizon 2020, Innovation Actions (IA).
- 2016-2018 **HackAIR:** Collective awareness platform for outdoor air pollution, Horizon 2020, Research and Innovation Actions (RIA).
- 2016-2019 **ChaiReact:** Making Supplier Networks Transparent, Understandable and Responsive, Horizon 2020, Research and Innovation Actions (RIA). **PC**
- 2015-2018 **DigiArt:** The Internet Of Historical Things And Building New 3D Cultural Worlds, Horizon 2020, Research and Innovation Actions (RIA).
- 2015-2018 **TENSOR:** Retrieval and Analysis of Heterogeneous Online Content for Terrorist Activity Recognition, Horizon 2020, Innovation Actions (IA).
- 2015-2018 **MAMEM-** Multimedia Authoring and Management using your Eyes and Mind, Horizon 2020, Research and Innovation Actions (RIA), **Project Coordination.**
- 2015-2018 **STEP-** Societal and political engagement of young people in environmental issues, Research and Innovation Actions (RIA).

- 2015-2018 KRISTINA- Knowledge-Based Information Agent with Social Competence and Human Interaction Capabilities, Horizon 2020, Research and Innovation Actions (RIA).
- 2013-2016 **Multi-Sensor**- Mining and Understanding of multilingual content for Intelligent Sentiment Enriched context and Social Oriented interpretation, 7th FP, ICT-STREP, **Project Coordinator**.
- 2013-2016 REVEAL- REVEALing hidden concepts in Social Media REVEAL, 7th FP, ICT-STREP.
- 2013-2016 USEMP- User Empowerment for Enhanced Online Presence Management, 7th FP, ICT-STREP.
- 2013-2016 **Wikirate**- The Wikirate Project – Crowdsourcing Better Companies, 7th FP, ICT-STREP, **Project Coordinator**.
- 2013 - 2016 HOMER- Home Made Explosives and Recipes, 7th FP, ICT-STREP.

Researcher B':

- 2013-2016 HOMER- Home Made Explosives and Recipes, 7th FP, ICT-STREP.
- 2013 - 2017 PERICLES - Promoting and Enhancing Reuse of Information throughout the Content Lifecycle taking account of Evolving Semantics, 7th FP, ICT-IP.
- 2013 - 2017 i-Treasures (Intangible Treasures) - Capturing the Intangible Cultural Heritage and Learning the Rare Know-How of Living Human Treasures, 7th FP, ICT-IP.
- 2012 - 2015 Live+Gov - Reality Sensing, Mining and Augmentation for Mobile Citizen-eGovernment Dialogue, 7th FP, ICT STREP.
- 2012 – 2014 ECHOPACS - Collection, processing and visualization of ultrasound and elastography images for the diagnosis, prevention and treatment approach to chronic hepatitis, cirrhosis and hepatocellular cancer, GSRT "Support for SMEs and New Companies"
- 2012 – 2014 PANACEA - Development of knowledge representation structures and inference techniques for an integrated semantic enabled recommendation system for pharmaceutical data, GSRT "Support for SMEs and New Companies"
- 2011 - 2014 **SOCIALSENSOR** - Sensing User Generated Input for Improved Media Discovery and Experience, 7th FP, ICT-IP, **Project Coordinator**.
- 2011 – 2015 **DEM@CARE** - Dementia Ambient Care: Multi-Sensing Monitoring for Intelligent Remote Management and Decision Support, 7th FP, ICT-IP, **Project Coordinator**.
- 2010 - 2014 MUMIA: Multilingual and Multifaceted Interactive Information Access, Cost Action IC1002.
- 2010 Development of a semantic infrastructure to support automated drug recommendations, GSRT, Innovation Support.
- 2010 - 2012 GNORASI - Knowledge and processing algorithms data-flow development tool for remote sensing data management, GSRT, Collaboration projects.
- 2010 HellasHPC - High Performance Computing Network, GSRT.
- 2010-2012 CHORUS+: Coordinated approach to the European effort on audiovisual Search engines, 7th FP, ICT-Coordination Action. **Scientific Project Coordinator**.

- 2010-2012 PESCaDO: Personalized Environmental Service Configuration and Delivery Orchestration, 7th FP, ICT-STREP.
- 2009-2012 MEDUSA: Multi sEnsor Data fusion grid for Urban Situational Awareness, EDA (European Defense Agency).

Researcher C':

- 2008-2011 **WeKnowIt**: Emerging, Collective Intelligence for personal, organisational and social use, 7th FP, IST-IP, **Project Coordinator**.
- 2008-2010 Jumas: Judicial Management by Digital Libraries Semantics
- 2007 - 2010 VIDI-VIDEO: Interactive semantic video search with a large thesaurus of machine-learned audio-visual concepts, IST-STEP.
- 2006 - 2009 CHORUS: Coordinated approach to the European effort on Audio-visual Search engines, IST-CA.
- 2006 - 2009 MESH: Multimedia Semantic Syndication for Enhanced News Services, IST-IP.
- 2006 - 2010 X-Media: Knowledge Sharing and Reuse Across Media, IST-IP.
- 2006 - 2008 K-Space: Knowledge Space of Semantic Inference for Automatic Annotation and Retrieval of Multimedia Content, IST-NoE.
- 2006 - 2009 BOEMIE: Bootstrapping Ontology Evolution with Multimedia Information Extraction, IST-STREP.
- 2006 - 2008 ELU: Enhanced Learning Unlimited, IST-STREP.
- 2005 - 2009 Ontomedia: Semantic Analysis of Multimedia Content Using Knowledge Technologies, General Secretariat for Research and Technology.
- 2006 - 2008 POLE: Semantic Processing of 3D Intravascular Ultrasound, General Secretariat for Research and Technology Operational Programme "Competitiveness".
- 2006 - 2008 DELTIO: Analysis of Multimedia Content using Evolutionary Ontologies and Application to Television News Bulletins, General Secretariat for Research and Technology, Infosociety.

Researcher D':

- 2004 - 2008 "aceMedia: Integrating knowledge, semantics and content for user centred intelligent media services", funded by the DG XIII, IP.
- 2004 - 2007 "KnowledgeWeb: Realizing the Semantic Web", funded by the DG XIII, NoE.
- 2003 - 2005 "**SCHEMA**: Network of Excellence in Content-Based Semantic Scene Analysis and Information Retrieval", IST-2001-32795, Principal Contractor: CERTH/ITI. **Project coordinator**.
- 2003 - 2005 "**MULTI-MINE**: Research and Technology Training Network in Multimedia Knowledge Discovery and Management", GSRT-HUMAN RESOURCES. Principal Contractor: CERTH/ITI. **Project coordinator**.
- 2003 - 2006 "REACH: New Forms of Distributed Organization and Access to Cultural Heritage", General Secretariat for Research and Technology, Research and Technological Development Consortia in Sectors of National Priority - CULTURE.
- 2004 - 2006 "**CIRCE**: Content-Based and Semantic Multimedia Indexing and Retrieval in Collaborative Environments", General Secretariat for Research and

Technology, Hungary - Greece, Joint Research and Technology Programmes, 2004 - 2006. **Scientific Responsible.**

2003 "Providing Services in Intelligent Content-Based Management and Search of Visual Data", GSRT-PRAXE. Set-up of a spin-off company. **Scientific Responsible.**

Research Associate:

1999 – 2001 "MPEG-4 Toolbox", (EPET II - PENED, 1999 - 2001). Project coordinator. The research team involved 10 researchers from 3 research institutes (ITI, National Technical University of Athens, University of Crete). Design and development of algorithms for 3D models hierarchical and adaptive coding. The result of the project is the first 3D MPEG-4 authoring tool.

1999 - 2001 ISTORAMA: "Content-based Image Retrieval over the Internet", (EPET II-PAVE, 1999 - 2001, subcontractor to INTRASOFT S.A.). Coordinator for CERTH/ITI. Design and development of content-based image indexing and retrieval algorithms.

Research Assistant:

1998 - 2003 "Coding of video signals in multimedia services", (COST 211 quat 1998-2003). Aristotle University of Thessaloniki representative. Regular meetings and presentations of various research areas to the partners coming from 10 different European countries.

1998 – 2000 "VIDAS: VIdeo ASsisted with audio coding and representation", (ACTS II, 1996-2000). Image and Face segmentation algorithms development.

1998 – 2000 "Experimental ADSL Network for Fast Internet and Multimedia Services", (funded by OTE, Hellenic Telecommunications Organization). The project team designed the first experimental ADSL network in Greece. ITI was responsible for the design of all multimedia applications and services and for the design and development of a video on demand application.

1996-1999 "Object-based Coding", (GSRT - YPER). Funded also by INTRACOM S.A., the biggest Telecommunication company in Greece. Funding of the research carried out during the Ph.D. in cooperation with INTRACOM.

1996-1999 "PANORAMA: Package for New Autostereoscopic Multiview Systems and Applications", (EC ACTS 097). 3D rigid and non-rigid motion estimation algorithms for 3D model-based coding of multiview (3-view) image sequences. Segmentation of 3D models.

7 – 8 /1995 Tampere University of Technology (Finland): "Time delay neural networks in spoken number recognition". Participation in students exchange program.

7 – 9 /1994 Public Power Organization. Technical training.

7 – 9 /1993 EKO Petroleum Industry. Technical training.

◆ Research Projects directly funded by industry

2009-2010 Personalised recommendation of textual content, Motorola.

2007 - 2008	Mobile Advertising, Motorola.
2007	Context Relevant Search, Motorola.
2005 - 2006	Personalized News Delivery, Motorola.

◆ TEACHING EXPERIENCE

Supervisor of PhD Students (Member of the supervision committee or co-supervisor)

- 1 PhD student in collaboration with University of Huddersfield, Prof. Grigoris Antoniou
- 2 PhD students in collaboration with AUPh, Department of Electrical and Computer Engineering, Profs. P. Mitkas and L. Hadjileontiadis
- 3 PhD students in collaboration with AUPh, Department of Informatics, Prof. Athena Vakali
- 2 PhD students in collaboration with Queen Mary University of London, Prof. Ioannis Patras
- 3 PhD students in collaboration with University of Surrey, Prof. Josef Kittler
- 1 PhD student in collaboration with Imperial College London, Prof. Tania Stathaki
- 3 finished PhD and 1 on-going PhD students in collaboration with AUPh, Elec. Engineering Department, Prof. M. G. Strintzis

Member of Habilitation examination committee:

- Alexis Joly, "Large-Scale Visual Information Retrieval", Habilitation à Diriger des recherches, University of Montpellier, France, May 2015.

Member of PhD examination committee:

- 1 at Dublin City University
- 2 at AUPh, Department of Informatics
- 3 at AUPh, Elec. and Computer Engineering Department
- 1 at AUPh, School of Architecture
- 1 at University of Trento, Faculty of Science
- 1 at Freie Universität Berlin, Fachbereich Mathematik und Informatik, Institut für Informatik, Berlin

Member of MSc Thesis examination committee:

- 1 at International Hellenic University, School of Science & Technology, MSc in ICT Systems (Konstantinos Tsafaris, 2014 - 2015)
- 2 at AUPh, Medical School
- 1 at Democritus University of Thrace, Elec. and Computer Engineering Department

Supervisor of Undergraduate Students

- 21 finished undergraduate theses in collaboration with AUPh, Elec. Engineering Department, Prof. A. Symeonidis and M. G. Strintzis

Lectures

2012 – 2013	"Pattern Recognition and Machine Learning for Multimedia and Social Media Analysis", Lecture in Pattern Recognition course, AUPh, Elec. and
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	Computer Engineering Department.
2008 - 2011	"Medical Information Management Techniques", 3rd Semester, MSc on Medical Informatics, AUTh (seminar).
2004-2005	Visiting Professor (Lecturer), Aristotle University of Thessaloniki, Electrical and Computer Engineering Department, Structured Computer Organization course.
2003 - 2004	MULTI-MINE: Research and Technology Training Network in Multimedia Knowledge Discovery and Management: <ul style="list-style-type: none">• Image and Video Analysis and Representation• Content and Knowledge-based Information Retrieval
1997 - 2001	Teaching assistance in the 4th year course, "Time series analysis", Department of Electrical and Computer Engineering, Aristotle University of Thessaloniki.

◆ RESEARCH & TECHNICAL ACTIVITIES

Guest editor in Journals Special Issues:

- Special Section of Best Papers of ACM Multimedia 2012, ACM Transactions on Multimedia Computing Communications and Applications, October 2013.
- Special Section on Social Media as Sensors, IEEE Transactions on Multimedia, Volume: 15, Issue: 6, 2013, doi: 10.1109/TMM.2013.2264232.
- Springer Journal on Multimedia Tools and Applications (MTAP), Special Issue on "Semantic Multimedia", 2012.
- Applied Artificial Intelligence journal, Special issue on "Event Recognition", Taylor & Francis, 2012.
- International Journal on Semantic Web and Information Systems (IJSWIS), Special Issue on "Semantic Media Adaptation & Personalization", 2011.
- Springer Journal on Multimedia Tools and Applications (MTAP), Special Issue on "Image and Video Retrieval: Theory and Applications", to appear in 2011.
- Special issue on "Semantic Analysis for Interactive Multimedia Services", Signal Processing: Image Communication 23 (2008).
- Special Issue on "Recent Advances In Image And Video Retrieval", IEE Proceedings on Vision, Image and Signal Processing, December 2005, Volume 152, Issue 6.

Book Editor:

- TV Content Analysis: Kompatsiaris, Yiannis; Bernard, Merialdo; Lian, Shiquo (Eds.), CRC Press, March 2012.
- Kompatsiaris, Yiannis; Hobson, Paola (Eds.): "Semantic Multimedia and Ontologies: Theory and Applications" Springer, March 2008.

Conference Proceedings and White Papers:

- Y. Kompatsiaris, S. Nikolopoulos (Eds.): "Search Computing: Business Areas, Research and Socio-Economic Challenges", Media Search Cluster White Paper, European Commission, ISBN 978-92-79-18514-4, doi:10.2759/52084, September 2011
- Chua, T.-S.; Kompatsiaris, Y.; Merialdo, B.; Haas, W.; Thallinger, G.; Bailer, W. (Eds.) "Semantic Multimedia", 4th International Conference on Semantic and Digital Media

Technologies, SAMT 2009 Graz, Austria, December 2-4, 2009 Proceedings, LNCS 5887 Springer.

- Proceedings of the CISWeb Workshop, located at the 5th European Semantic Web Conference ESWC 2008, Tenerife, Spain, 2nd June 2008, Edited by Yannis Avrithis, Yiannis Kompatsiaris, Steffen Staab, Athena Vakali, <http://ceur-ws.org/Vol-351/>
- B. Falciديو, M. Spagnuolo, Y. Avrithis, I. Kompatsiaris, P. Buitelaar. "Semantic Multimedia", Second International Conference on Semantic and Digital Media Technologies, SAMT 2007, Genoa, Italy, December 5-7, 2007, Proceedings, LNCS 4816 Springer.
- Y. Avrithis, Y. Kompatsiaris, S. Staab, N. O'Connor: Semantic Multimedia, First International Conference on Semantic and Digital Media Technologies, SAMT 2006, Athens, Greece, December 6-8, 2006, Proceedings, LNCS 4306 Springer.
- Paola Hobson, Ebroul Izquierdo, Ioannis Kompatsiaris, Noel E. O'Connor (Eds.): Knowledge-Based Media Analysis for Self-Adaptive and Agile Multimedia, Proceedings of the European Workshop for the Integration of Knowledge, Semantics and Digital Media Technology, EWIMT 2004, November 25-26, 2004, London, UK. QMUL 2004, ISBN 0-902-23810-8
- P. Enser, Y. Kompatsiaris, N. E. O'Connor, A. F. Smeaton, A. W.M. Smeulders: Image and Video Retrieval, Third International Conference, CIVR 2004, Dublin, Ireland, July 21-23, 2004, Proceedings, LNCS 3115 Springer.

Member of the editorial board:

- Signal Processing: Image Communication, Elsevier
- International Journal of Computational Intelligence Research
- LNCS Transactions on Computational Collective Intelligence, Springer
- Journal of Multimedia (JMM), Academy Publisher
- Journal of Convergence (JoC), Web and Multimedia, FTRA

Conference, Summer School and Workshop Organization

- International Workshop on Content-Based Multimedia Indexing (CBMI), Florence, 19-21 June 2017 (IEEE liaison)
- International Workshop on Multimedia Forensics and Security (MFSec 2015), to be held in conjunction with the 10th International Conference on Availability, Reliability and Security (ARES 2015), August 24th - 28th, 2015, Universite Paul Sabatier, Toulouse, France
- DemAAL 2013: Dem@Care Summer School on Ambient Assisted Living, 16-20 September 2013, Chania, Crete, Greece
- SSMS 2012, Summer School on Social Media Modeling and Search, 10-14 September, Fira, Santorini, Greece
- WSM2010 and 2011, ACM SIGMM Workshop on Social Media, in conjunction with ACM Multimedia (General co-chair and Program co-chair).
- EVENTS 2010, 1st International Workshop on Recognising and tracking events on the Web and in real life", hosted by the The 6th Hellenic Conference on Artificial Intelligence (SETN 2010), Athens, Greece on May 4, 2010 (General co-chair).
- CIVR 2009, ACM International Conference on Image and Video Retrieval 2009, Santorini, Greece, July 8-10, 2009, Santorini, Greece (General co-chair).
- CISWeb Workshop: Collective Semantics: Collective Intelligence & the Semantic Web located at the 5th European Semantic Web Conference ESWC 2008, Tenerife, Spain, 2nd June 2008.

- SSMS 2008, the Summer School on Multimedia Semantics - Analysis, Annotation, Retrieval and Applications 2008, Crete, Greece, September 2008
- WIAMIS 2007, The International Workshop on Image Analysis for Multimedia Interactive Services 2007, Santorini, Greece, June 6–8, 2007 (General co-chair).
- SSMS 2006, Summer School on Multimedia Semantics - Analysis, Annotation, Retrieval and Applications, Kallithea, Chalkidiki, Greece, September 4–8, 2006.

Member of Conferences and Workshops Organising Committee:

- ICMR 2014, ACM International Conference on Multimedia Retrieval, 1st – 4th, April 2014, Glasgow (Sponsorship Co-Chair).
- CAISE 2014, Conference on Advanced Information Systems Engineering, Thessaloniki, Greece, Jun 16 - 20, 2014. (Industrial Chair)
- EBMIP 2013, Workshop on Event-based Media Integration and Processing, co-located with ACM Multimedia 2013 – October 21-22, Barcelona, Spain (Programme Co-Chair)
- ACM Multimedia 2013, 21st ACM International Conference on Multimedia, Barcelona, Spain, Oct. 21-25, 2013 (Multimedia Grand Challenge Co-Chair).
- ACM Multimedia 2012, 20th ACM International Conference on Multimedia, Nara, Japan, Oct. 29- Nov. 2, 2012 (Social Media Area Co-Chair).
- ICMR 2012, ACM International Conference on Multimedia Retrieval, Hong Kong, June 5 - 8, 2012 (Demo Chair)
- CBMI 2011, 9th International Workshop on Content-Based Multimedia Indexing, June 13-15, 2011, Madrid, Spain (Special Sessions chair).
- ESWC 2010, 7th Extended Semantic Web Conference 2010, Heraklion, Greece (Proceedings Chair).
- ICSC 2009, Third IEEE International Conference on Semantic Computing, Berkeley, California, September 14 – 16, 2009 (Workshop co-chair)
- ICSC 2008, Second IEEE International Conference on Semantic Computing, Santa Clara, CA, USA - August 4-7, 2008 (Publicity Co-Chair)
- ICME 2008, IEEE ICME 2008 International Conference on Multimedia & Expo, June 23-26, 2008 – Hannover, Germany (Track Chair for the Multimedia Content Analysis Track).
- SAMT 2007, 2nd International Conference on Semantic and Digital Media Technology, 5-7 December 2007, Genova, Italy (Technical Programme Chair).
- ICSC 2007, First IEEE International Conference on Semantic Computing, September 17-19, 2007, Hyatt Regency Irvine, Irvine, California (Poster Co-Chair)
- WIAMIS 2006, 7th International Workshop on Image Analysis for Multimedia Interactive Services, 19 - 21 April 2006, Hyatt Regency, Incheon International Airport, Korea. (Special Sessions Chair)
- VIE 2006, 3rd International Conference on Visual Information Engineering, 26-28 September 2006, Bangalore, India (Special Sessions Chair)
- EWIMT 2005, 2nd European Workshop on the Integration of Knowledge, Semantic and Digital Media Technologies, 30 November to 1 December 2005, London, U.K. (Special Sessions Chair)
- «Multimedia and the Semantic Web», one day workshop held as part of the 2nd European Semantic Web Conference, Heraklion, Crete 29 May to 1 June 2005.
- Co-organisation (as coordinator of SCHEMA NoE) of the 2005 Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS'05), April 2005, Switzerland.

- European Workshop on the Integration of Knowledge, Semantic and Digital Media Technologies, November 25-26, 2004, Royal Statistical Society, London (Program Co-Chair)
- International Conference on Image and Video Retrieval, Ireland, Dublin, July 21-23, 2004 - CIVR2004 (Practitioner Co-Chair)
- Workshop on Meaning Coordination and Negotiation, held in conjunction with the 3rd International Semantic Web Conference (ISWC-2004).

Organisation and Chairman of Special Sessions:

- Special session in “Advances in Semantic Multimedia Analysis for Personalised Content Access”, ISCAS 2006.
- Special session in “EU Projects”, CIVR 2004.
- Special session in Semantic-based Multimedia Analysis and Access (6th FP IST projects), WIAMIS 2004.
- Special session in IST-Projects, WIAMIS 2003
- Special session in "Content-Based Semantic Scene Analysis", CBMI 2003

Tutorials and Lectures upon invitation:

- “Processing large scale complex data”, 2015 SPS Summer school on Signal Processing, Italy 2015.
- "[Social Data and Multimedia Analytics for News and Events Applications](#)", Invited Keynote at MSDM 2014, Multimodal Social Data Management Workshop (part of EDBT/ICDT 2014), pp. 280-281
- “Social Media Mining And Multimedia Analysis Research And Applications”, Centre For Vision, Speech And Signal Processing, University of Surrey, July 2012.
- "New Challenges and Technologies Behind Cloud Computing", 15th Design, Automation & Test in Europe Conference (DATE '12), Dresden, German, March 12-16, 2012.
- “Search Computing: Business Areas, Research and Socio-Economic Challenges”, Workshop on Search Computing and Social Media, NEM Summit, Torino, Sept. 28, 2011.
- “Extracting Emergent Semantics from Large-Scale User-Generated Content”, ICT Innovations 2011 conference, Skopje, Sept. 14-16, 2011.
- “Information Extraction from Social Sites” and “Knowledge Based Semantic Indexing”, Summer School for Multimedia Semantics (SSMS), Amsterdam, Aug. 20 – Sept. 3, 2010.
- “Detecting, Understanding and Exploiting Web communities”, 18th Intl. World Wide Web Conference, WWW 2009.
- "Managing and Modeling of Multimedia and User Generated Content in Web 3.0", 4th Summer School for Multimedia Semantics (SSMS), 2009.
- "Extracting Collective Intelligence from Social Content", Workshop on Cross-media information analysis, extraction and management at SAMT 2008, Koblenz, Germany, 3-5 Dec. 2008.
- “Combining visual and knowledge processing for semantics extraction”, Workshop on Semantic User Descriptions and their influence on 3D graphics and VR, Lausanne – Switzerland, November 13, 2008
- "Convergence of multimedia and knowledge technologies" during the CIVR 2007 Practitioner Day, July 9-11 2007, University of Amsterdam, Amsterdam.
- “Ontologies and Machine Learning for Semantic Multimedia Analysis”, Workshop on

Knowledge Management and Semantic Web for Engineering Design, 28 October 2007 in Whistler, British Columbia, Canada, in conjunction with K-CAP 2007

Journals Reviewer:

- Proceedings of the IEEE
- ACM Computing Surveys
- IEEE MultiMedia Magazine
- IEEE Transactions on Circuits and Systems on Video Technology (CSVT)
- IEEE Transactions on Circuits and Systems I (TCAS-I)
- IEEE Transactions on Image Processing
- IEEE Transactions on Medical Imaging
- IEEE Transactions on Multimedia
- IEEE Transactions on Emerging Topics in Computing
- Journal of Social Network Analysis and Mining
- Journal of Web Semantics
- Computer Vision and Image Understanding (CVUI)
- Data and Knowledge Engineering Journal
- Cognitive Computation, Springer
- Educational Technology and Society International Journal
- EURASIP Journal on Applied Signal Processing (JASP)
- EURASIP Journal on Image and Video Processing
- IEE Proceedings Vision, Image & Signal Processing
- Information Sciences Journal Elsevier
- International Journal Multimedia Tools and Applications
- Journal of Computer Science and Technology
- Journal of Electronic Imaging (JEI)
- Journal of Mechanical Engineering Research
- Machine Vision and Applications Journal
- Pattern Analysis and Applications Journal
- Signal, Image and Video Processing Journal (Springer)
- Journal of Operational Research (Springer)

Reviewer and Member of Conferences Program/Technical Committee:

In a large number of International Conferences including: IEEE ICIP, ACM MM, ESWC, ISWC, ICPR, ICMR, CIVR, CBMI, WIAMIS, SAMT (Please see detailed list at the end of the document).

Grants evaluator

- EC: European Research Council, Future and Emerging Technologies (FET) Scheme
- Greek Secretariat for Research and Technology
- State Scholarships Foundation (IKY)
- Royal Society of New Zealand
- Dutch Technology Foundation (STW)
- Czech Science Foundation
- Austrian and Cyprus Organisations for Scientific Research

Projects reviewer:

- European Commission, Information Society and Media, ICT for Health
- European Commission, DG CONNECT, Unit G1 – Converging Media and Content
- Italian Research Assessment Exercise VQR 2004-2010

Associations – Committees – Scientific Activity:

Curriculum Vitae

- 2017 - Elected member of the IEEE Image, Video, and Multidimensional Signal Processing Technical Committee
- 2013 - Member, IEEE Signal Processing Society
- 2012 - Member, IEEE Special Technical Community on Social Networks (STCSN)
- 2012 SEA-SoNS, Socio-economic Assessment of the Benefits of Social Networks for Organisations, JRC-IPTS, European Commission.
- 2011 **Senior Member of Institute of Electrical and Electronics Engineers (IEEE)** (Member since 1994)
- 2011 Member, Group on "EU Competitiveness on the Web", D.G. Information Society and Media. European Commission.
- 2011 Vision 2020 on Web Applications, Commission of the European Communities, Information Society and Media Directorate-General, Editorial team
- 2011 - 2014 ACM ICMR - International Conference on Multimedia Retrieval Steering Committee member
- 2010 - 2014 Chair of the Technical Committee 14 of the International Association for Pattern Recognition (IAPR-TC14, "Signal Analysis for Machine Intelligence")
- 2008 Member, Association for Computing Machinery (ACM)
- 2007 - 2010 Member of the Greek Technical Chamber Committee of Networks and Telematics (TEE/TKM)
- 2007 Member, IEEE Multimedia Communications Technical Committee (MMTC)
- 2004 - 2008 Member, IEE Visual Information Engineering Technical Advisory Panel
- 2003 Member of the Working Group on Informatics and Communications for the Central Macedonia Region (Greece) Foresight project
- 2002 Representative of the Greek National Standardization Body (ELOT) to the ISO JTC 1/SC 29/WG 11 MPEG group.
- 1996 - Member of the Technical Chamber of Greece

◆ AWARDS

- 2013 Best Paper award. "Semi-supervised concept detection by learning the structure of similarity graphs", Symeon Papadopoulos, Christos Sagonas, Yiannis Kompatsiaris, Athena Vakali, MMM2013
- 2012 Best demo award. S. Papadopoulos, J. Bakalli, Y. Kompatsiaris, E. Schinas. "Cluster-based Photo Browsing and Tagging on the Go". In Proceedings of ACM International Conference on Multimedia Retrieval (ICMR), Hong Kong, 2012
- 2011 Best demo award at the International Conference in Multimedia Retrieval 2011 (Trento, Italy). S. Papadopoulos, C. Zigkolis, S. Kapiris, Y. Kompatsiaris, A. Vakali, "City exploration by use of spatio-temporal analysis and clustering of user contributed photos", In ICMR '11 Proceedings of the 1st ACM International Conference on Multimedia Retrieval, 2011, ACM, New York.

- 2010 Excellence in Research Journal Award. 2010 Best Article Award: "The Dynamics of Content Popularity in Social Media", Symeon Papadopoulos, Athena Vakali and Yiannis Kompatsiaris, International Journal of Data Warehousing and Mining (JDWM).
- 2009 Best Paper award. "Application of Automated 3D reconstruction of Coronary Arteries in the Detection of Vulnerable Atheromatic Plaques", 30th Panhellenic Cardiological Congress, 29-31 October 2009, Athens, Greece.
- 2000 International Conference on Consumer Electronics (ICCE): "For invaluable services rendered in furthering the objectives of the ICCE".
- 1995 & 1996 Awarded by the Technical Chamber of Greece for exceptional performance during the academic years 1994-95 and 1995-96 (graduation year).

◆ PUBLICATIONS (<http://mklab.iti.gr/publications.htm>)

Patents: 8

Journals: 129

Proceedings - Books: 12

Book Chapters: 48

International Conferences: 434

Citations (Google Scholar): > 7320 citations, H-index = 40

4008 citations (without self-citations, with all papers documented) (November 2018)

Patents

- [1] V. Mezaris, I. Kompatsiaris, "System for segmenting in time a video to scenes", Greek Industrial Property Organization (OBI), Patent No. GR1007303, Int. Cl. G06K 9/00, G06F 17/30 (valid until 23-04-2030)
- [2] Dorothea Tsatsou, Paul C. Davis, Jianguo Li, Ioannis Kompatsiaris and Symeon Papadopoulos. "Ontology Construction". Publication number: US20130132442 (A1), USPTO. Publication date: 23/05/2013.
- [3] Dorothea Tsatsou, Paul C. Davis, Ioannis Kompatsiaris, Symeon Papadopoulos, Fotis Menemenis, Ben Bratu and George Kalfas. "Method and System for Recommendation of Content Items". Publication number: WO2010129165 (A2), US IPO. Publication date: 11/11/2010. **(17 citations)**
- [4] Simon Waddington, Ben Bratu, Ioannis Kompatsiaris, Symeon Papadopoulos, Fotis Menemenis. "Selection of Associated Content for Content Items". Publication number: WO2010033346 (A2), UK IPO. Publication date: 25/3/2010. **(1 citation)**
- [5] Bratu, B., Waddington, S., Kompatsiaris, Y., Menemenis, F., Nidelkou, E., Papadopoulos, S. "Method and apparatus for processing a search query for text content items". Publication number: EP2073131 (A1), EPO, Publication date: 24/06/2009.
- [6] Simon Waddington, Ben Bratu, Ioannis Kompatsiaris, Evangelia Nidelkou, Maria Papadogiorgaki, Vasileios Papastathis. "A content recommendation system". Publication number: GB2448480 (A), UK IPO, Publication date: 22/10/2008.
- [7] Simon Waddington, Ben Bratu, Ioannis Kompatsiaris, Evangelia Nidelkou, Maria Papadogiorgaki, Vasileios Papastathis. "A Content Recommendation System and a Method
-

of Operation Therefor". Publication number: WO2008073594 (B1), WIPO, Publication date: 19/6/2008.

- [8] Ioannis Kompatsiaris, "A methodology for developing visual (image and video) content-based indexing, management and retrieval applications", Greek Industrial Property Organization (OBI), Int. Cl. G06F 17/30, G06T 7/00 (valid until 9-12-2023).

Proceedings-Books

- [1] I. Kompatsiaris, J. Cave, A. Satsiou, G. Carle, A. Passani, E. Kontopoulos, S. Diplaris, D. McMillan. "Internet Science", 4th International Conference, INSCI 2017, Thessaloniki, Greece, November 22-24, 2017, Proceedings, LNCS 10673, Springer.
- [2] Y. Kompatsiaris, S. Nikolopoulos, T. Lidy, Andreas Rauber: Media Search Cluster White Paper on "Search Computing". ERCIM News 2012(88): (2012)
- [3] Y. Kompatsiaris, S. Nikolopoulos (Eds.): "Search Computing: Business Areas, Research and Socio-Economic Challenges", Media Search Cluster White Paper, European Commission, ISBN 978-92-79-18514-4, doi:10.2759/52084, September 2011
- [4] M. Larson, A. Rae, C.H Demarty, C. Kofler, F. Metzger, R. Troncy, V. Mezaris, G.J.F. Jones (Eds.), "Working Notes Proceedings of the MediaEval 2011 Workshop", CEUR vol. 807, Pisa, Italy, September 2011.
- [5] Y. Kompatsiaris, B. Merialdo, L. Shiquo (Eds.): TV Content Analysis: Techniques and Applications, CRC Press, 2011. **(11 citation)**
- [6] T.-S. Chua, Y. Kompatsiaris, B. Merialdo, W. Haas, G. Thallinger, W. Bailer (Eds.), "Semantic Multimedia", 4th International Conference on Semantic and Digital Media Technologies, SAMT 2009 Graz, Austria, December 2-4, 2009, Proceedings, LNCS 5887, Springer.
- [7] Y. Avrithis, Y. Kompatsiaris, S. Staab, A. Vakali (Eds.), Proceedings of the CISWeb Workshop, located at the 5th European Semantic Web Conference ESWC 2008, Tenerife, Spain, June 2, 2008.
- [8] Y. Kompatsiaris, P. Hobson (Eds.): Semantic Multimedia and Ontologies: Theory and Applications. Springer, March 2008, Book in Amazon's Site.
- [9] Y. Avrithis, Y. Kompatsiaris, S. Staab, N. O'Connor: Semantic Multimedia, First International Conference on Semantic and Digital Media Technologies, SAMT 2006, Athens, Greece, December 6-8, 2006, Proceedings.
- [10] B. Falcidieno, M. Spagnuolo, Y. Avrithis, I. Kompatsiaris, P. Buitelaar, "Semantic Multimedia", 2nd International Conference on Semantic and Digital Media Technologies, SAMT 2007, Genoa, Italy, December 5-7, 2007, Proceedings, LNCS 4816, Springer.
- [11] P. Hobson, E. Izquierdo, I. Kompatsiaris, N. E. O'Connor (Eds.): Knowledge-Based Media Analysis for Self-Adaptive and Agile Multimedia. Proceedings of the European Workshop for the Integration of Knowledge, Semantics and Digital Media Technology, EWIMT 2004, November 25-26, 2004, London, UK. QMUL 2004, ISBN 0-902-23810-8.
- [12] P. Enser, Y. Kompatsiaris, N. E. O'Connor, A. F. Smeaton, A. W.M. Smeulders: Image and Video Retrieval. Proceedings of Third International Conference, CIVR 2004, Dublin, Ireland, July 21-23, 2004.

JOURNALS

2018

- [1] V. Gkatziaki, S. Papadopoulos, R. Mills, S. Diplaris, I. Tsampoulatidis, I. Kompatsiaris. "easIE: easy-to-use Information Extraction for constructing CSR databases from theWeb", *ACM Transactions on Internet Technology, Special Section on Computational Ethics and Accountability*, 18(4). (1 citation)
- [2] E. Kosmidis, P. Syropoulou, S. Tekes, P. Schneider, E. Spyromitros-Xioufis, M. Riga, P. Charitidis, A. Moumtzidou, S. Papadopoulos, S. Vrochidis, I. Kompatsiaris, I. Stavrakas, G. Hloupis, A. Loukidis, K. Kourtidis, A.Georgoulas, and G. Alexandri, "hackAIR: Towards raising Awareness about Air Quality in Europe by developing a Collective Online Platform", *ISPRS International Journal of Geo-Information* 2018, 7.
- [3] N. Lagos, M. Riga, P. Mitzias, J-Y Vion-Dury, E. Kontopoulos, S. Waddington, P. Laurenson, G. Meditskos, I. Kompatsiaris. Dependency modelling for inconsistency management in Digital Preservation – The PERICLES approach. *Information Systems Frontiers* (2018) 20: 7. <https://doi.org/10.1007/s10796-016-9709-z>.
- [4] I. Lazarou, S. Nikolopoulos, P.C. Petrantonakis, I. Kompatsiaris and M. Tsolaki (2018) EEG-Based Brain–Computer Interfaces for Communication and Rehabilitation of People with Motor Impairment: A Novel Approach of the 21st Century. *Front. Hum. Neurosci.* 12:14. doi: 10.3389/fnhum.2018.00014 (5 citations)
- [5] G. Meditskos, P.M. Plans, T.G. Stavropoulos, J. Benois-Pineau, V. Buso, I. Kompatsiaris, "Multi-modal Activity Recognition from Egocentric Vision, Semantic Enrichment and Lifelogging Applications for the Care of Dementia", *Journal of Visual Communication and Image Representation*, Volume 51, February 2018, Pages 169-190, ISSN 1047-3203, <https://doi.org/10.1016/j.jvcir.2018.01.009> (1 citations)
- 2017**
- [6] B. Akhgar, P. Bertrand, C. Chalanouli, T. Day, I. Fragkiadakis, H. Gibson, D. Kavallieros, E. Kerimitsis, I. Kompatsiaris, E. Kyriakou, G. Leventakis, E. Lissaris, S. Mille, D. Myttas, T. Tsikrika, S. Vrochidis, U. Williamson, "TENSOR: Retrieval and Analysis of Heterogeneous Online Content for Terrorist Activity Recognition", *Proceedings of the Estonian Academy of Security Sciences: Secure Societies*, 2017.
- [7] C. Boididou, S. E. Middleton, Z. Jin, S. Papadopoulos, D.-T. Dang-Nguyen, G. Boato, and Y. Kompatsiaris. "Verifying information with multimedia content on Twitter." *Multimedia Tools and Applications* (2017): 1-27.
- [8] Giannis Chantas, Sotiris Karavarsamis, Spiros Nikolopoulos, Yiannis Kompatsiaris, "A Probabilistic, Ontological Framework for Safeguarding the Intangible Cultural Heritage", *ACM Journal on Computing and Cultural Heritage (JOCCH)*, November 2017 (accepted for publication)
- [9] K. Georgiadis , N. Laskaris, S. Nikolopoulos, Y. Kompatsiaris, "Discriminative Codewaves: a nonlinear dynamics approach to SSVEP recognition for asynchronous BCI", *Journal of Neural Engineering*, 2017 (accepted for publication), DOI: 10.1088/1741-2552/aa904c
- [10] Grigorios-Aris Cheimariotis, Yiannis S. Chatzizisis, Vassilis G. Koutkias, Konstantinos Toutouzas, Andreas Giannopoulos, Maria Riga, Ioanna Chouvarda, Antonios P. Antoniadis, Charalambos Doulaverakis, Ioannis Tsamboulatidis, Ioannis Kompatsiaris, George D. Giannoglou, Nicos Maglaveras, "ARC-OCT: Automatic detection of lumen bordeR in intravasCular OCT images", *Computer Methods and Programs in Biomedicine*, Elsevier, Accepted Manuscript, Available online 16 August 2017 <https://doi.org/10.1016/j.cmpb.2017.08.007>

- [11] I. Gialampoukidis, A. Moumtzidou, D. Liparas, T. Tsikrika, S. Vrochidis, I. Kompatsiaris (2017). "Multimedia retrieval based on non-linear graph-based fusion and partial least squares regression", *Multimedia Tools and Applications*, 2017 (accepted for publication)
- [12] C. Iliou, G. Kalpakis, T. Tsikrika, S. Vrochidis, I. Kompatsiaris, "Hybrid Focused Crawling on the Surface and the Dark Web", *EURASIP Journal on Information Security*, vol. 2017, no. 11, 2017. DOI: 10.1186/s13635-017-0064-5
- [13] Anastasia Ioannidou, Elisavet Chatzilari, Spiros Nikolopoulos, Ioannis Kompatsiaris, *Deep Learning Advances in Computer Vision with 3D Data: A Survey*, *ACM Computing Surveys (CSUR)*, 2017 **(11 citations)**
- [14] A. Ioannidou, E. Apostolidis, C. Collyda, V. Mezaris, "A web-based tool for fast instance-level labeling of videos and the creation of spatiotemporal media fragments", *Multimedia Tools and Applications*, vol. 76, no. 2, pp. 1735-1774, January 2017. DOI: 10.1007/s11042-015-3125-0.
- [15] G. Kordopatis-Zilos, S. Papadopoulos, I. Kompatsiaris, (2017). "Geotagging Text Content With Language Models and Feature Mining". *Proceedings of the IEEE*, 105(10), 1971-1986. **(2 citations)**
- [16] G. Meditskos and I. Kompatsiaris, "iKnow: Ontology-Driven Situational Awareness for the Recognition of Activities of Daily Living", *Pervasive and Mobile Computing*, Volume 40, September 2017, Pages 17-41, ISSN 1574-1192, <https://doi.org/10.1016/j.pmcj.2017.05.003> **(4 citations)**
- [17] Spiros Nikolopoulos, Panagiotis C. Petrantonakis, Kostas Georgiadis, Fotis Kalaganis, Georgios Liaros, Ioulietta Lazarou, Katerina Adam, Anastasios Papazoglou-Chalikias, Elisavet Chatzilari, Vangelis P. Oikonomou, Chandan Kumar, Raphael Menges, Steffen Staab, Daniel Müller, Korok Sengupta, Sevasti Bostantjopoulou, Zoe Katsarou, Gabi Zeilig, Meir Plotnik, Amihai Gottlieb, Sofia Fountoukidou, Jaap Ham, Dimitrios Athanasiou, Agnes Mariakaki, Dario Comandicci, Edoardo Sabatini, Walter Nistico, Markus Plank, Ioannis Kompatsiaris, A multimodal dataset for authoring and editing multimedia content: The MAMEM project, *Data in Brief*, 3 November 2017, ISSN 2352-3409, DOI: 10.1016/j.dib.2017.10.072.
- [18] S. Poularakis , K. Avgerinakis , A. Briassouli , I. Kompatsiaris, "Efficient motion estimation methods for fast recognition of activities of daily living", *Signal Processing: Image Communication*, 2017 **(4 citations)**
- [19] S. Tachos, K. Avgerinakis , A. Briassouli, I. Kompatsiaris, "Mining Discriminative Descriptors for Goal-Based Activity Detection", *Computer Vision and Image Understanding (CVIU)*, 2017.
- [20] M. Tsolaki, S. Zygouris, I. Lazarou, I. Kompatsiaris, L. Chatzileontiadis, C. Votis, D. Tzouvaras, A. Karakostas, C. Karagkiozi, T. Dimitriou, T. Tsiatsios, S. Dimitriadis, I. Tarnanas, D. Dranidis, and P. Bamidis, "Our experience with informative and communication technologies (ICT) in dementia.," *Hell. J. Nucl. Med.*, vol. 18 Suppl 1, pp. 131–139
- [21] Tsolaki, A. C., Kosmidou, V., Kompatsiaris, I. Y., Papadaniil, C., Hadjileontiadis, L., Adam, A., & Tsolaki, M., "Brain source localization of MMN and P300 ERPs in mild cognitive impairment and alzheimer's disease: A high-density EEG approach", *Neurobiology of Aging*, 55, 190-201, 2017. **(4 citations)**

2016

- [22] K. Avgerinakis, A. Briassouli, and I. Kompatsiaris, "Activity detection using sequential statistical boundary detection (SSBD)", *Computer Vision and Image Understanding (CVIU)*, March 2016, pp 46-61, vol 144.
- [23] Yiannis S. Chatzizisis, Konstantinos Toutouzas, Andreas A. Giannopoulos, Maria Riga, Antonios P. Antoniadis, Yusuke Fujinom, Dimitrios Mitsouras, Vassilis G. Koutkias, Grigorios Cheimariotis, Charalampos Doulaverakis, Ioannis Tsampoulatidis, Ioanna Chouvarda, Ioannis Kompatsiaris, Sunao Nakamura, Frank J. Rybicki, Nicos Maglaveras, Dimitris Tousoulis, and George D. Giannoglou, "Association of global and local low endothelial shear stress with high-risk plaque using intracoronary 3D optical coherence tomography: Introduction of 'shear stress score' ", *European Heart Journal – Cardiovascular Imaging*, June 2016, DOI:10.1093/ehjci/jew134 **(8 citations)**
- [24] Elisavet Chatzilari, Spiros Nikolopoulos, Yiannis Kompatsiaris, Josef Kittler, "SALIC: Social Active Learning for Image Classification", in *IEEE Transactions on Multimedia*, vol. 18, no. 8, pp. 1488-1503, Aug. 2016. doi: 10.1109/TMM.2016.2565440
- [25] C.F. Crispim-Junior, V. Buso, K. Avgerinakis, G. Meditskos, A. Briassouli, J. Benois-Pineau, I. Kompatsiaris, F. Bremond, "Semantic Event Fusion of Different Visual Modality Concepts for Activity Recognition", *Special Issue on Multimodal Human Pose Recovery and Behavior Analysis, IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 38(8), pp.1598-1611, 2016, DOI: 10.1109/TPAMI.2016.2537323
- [26] B. Kikhia, T. G. Stavropoulos, S. Andreadis, N. Karvonen, I. Kompatsiaris, S. Sävenstedt, M. Pijl, and C. Melander, "Utilizing a Wristband Sensor to Measure the Stress Level for People with Dementia," *Sensors*, vol. 16, no. 12. Multidisciplinary Digital Publishing Institute, p. 1989, 24-Nov-2016. **(7 citations)**
- [27] N. Lagos, M. Riga, P. Mitzias, J-Y Vion-Dury, E. Kontopoulos, S. Waddington, P. Laurenson, G. Meditskos, I. Kompatsiaris. Dependency modelling for inconsistency management in Digital Preservation – The PERICLES approach. *Information Systems Frontiers*, Springer, October 2016.
- [28] I. Lazarou, A. Karakostas, T.G. Stavropoulos, T. Tsompanidis, G. Meditskos, I. Kompatsiaris, M. Tsolaki, "A Novel and Intelligent Home Monitoring System for Care Support of Elders with Cognitive Impairment", *Journal of Alzheimer's Disease*, IOS Press, 2016, Oct 18; 54(4): 1561-1591, DOI: 10.3233/JAD- 160348. **(11 citations)**
- [29] Vangelis P. Oikonomou, Georgios Liaros, Kostantinos Georgiadis, Elisavet Chatzilari, Katerina Adam, Spiros Nikolopoulos and Ioannis Kompatsiaris, Comparative evaluation of state-of-the-art algorithms for SSVEP-based BCIs, *Technical Report - eprint arXiv:1602.00904*, February 2016 **(2 citations)**
- [30] C. Papadaniil, V. Kosmidou, A. Tsolaki, M. Tsolaki, I. Kompatsiaris, L. Hadjileontiadis, "Cognitive MMN and P300 in Mild Cognitive Impairment and Alzheimer's Disease: A High Density EEG-3D Vector Field Tomography Approach", *Journal of Brain Research*, Elsevier, 2016. **(7 citations)**
- [31] S. Papadopoulos, K. Bontcheva, E. Jaho, M. Lupu, C. Castillo. "Overview of the Special Issue on Trust and Veracity of Information in Social Media." *ACM Trans. Inf. Syst.* 34, 3, Article 14 (April 2016).
- [32] Schinas, M., Papadopoulos, S., Kompatsiaris, Y., & Mitkas, P. A. (2016). MGraph: multimodal event summarization in social media using topic models and graph-based ranking. *International Journal of Multimedia Information Retrieval*, 5(1), 51-69.

- [33] C. Spampinato, V. Mezaris, J. van Ossenbruggen, "Special issue on multimedia in ecology" (Editorial), *Multimedia Systems Journal*, vol. 22, no. 6, pp. 709-711, Nov. 2016. DOI: 10.1007/s00530-016-0528-3.
- [34] C. Spampinato, V. Mezaris, M. Cristani, "Special issue on fine-grained categorization in ecological multimedia" (Editorial), *Pattern Recognition Letters*, Elsevier, vol. 81, pp. 51-52, Oct. 2016. DOI: 10.1016/j.patrec.2016.07.001.
- [35] T. G. Stavropoulos, G. Meditskos, S. Andreadis, K. Avgerinakis, K. Adam and I. Kompatsiaris, "Semantic Event Fusion of Computer Vision and Ambient Sensor Data for Activity Recognition to Support Dementia Care", *Journal of Ambient Intelligence and Humanized Computing*, 2016
- [36] T.G. Stavropoulos, G. Meditskos and I. Kompatsiaris, "DemaWare2: Integrating Sensors, Multimedia and Semantic Analysis for the Ambient Care of Dementia", *Journal of Pervasive and Mobile Computing*, Elsevier, 2016, doi: 10.1016/j.pmcj.2016.06.006. **(6 citations)**
- [37] C. Tzelepis, Z. Ma, V. Mezaris, B. Ionescu, I. Kompatsiaris, G. Boato, N. Sebe, S. Yan, "Event-based Media Processing and Analysis: A Survey of the Literature", *Image and Vision Computing Journal*, Elsevier, vol. 53, pp. 3-19, Sept. 2016. **(13 citations)**
- [38] C. Tzelepis, D. Galanopoulos, V. Mezaris, I. Patras, "Learning to detect video events from zero or very few video examples", *Image and Vision Computing Journal*, Elsevier, vol. 53, pp. 35–44, Sept. 2016.
- [39] A. Tsolaki, V. Kosmidou, I. Kompatsiaris, M. Tsolaki, "Age-Induced differences in brain neural activation during emotional stimuli", *Journal of Neuroscience*, Elsevier, 2016.
- [40] M. Tsolaki, E. Karathanasi, I. Lazarou, K. Dovas, E. Verykouki, A. Karakostas, K. Georgiadis, A. Tsolaki, K. Adam, I. Kompatsiaris, Z. Sinakos, "Efficacy and safety of *Crocus sativus* L in patients with Mild Cognitive Impairment: One year single-blind randomized, with parallel groups, clinical trial", *Journal of Alzheimer's Disease*, vol 54 (1): 129-133, 2016 July 27, DOI: 10.3233/JAD-160304. **(7 citations)**
- [41] S. Vrochidis, I. Patras and I. Kompatsiaris, "Gaze Movement-driven Random Forests for Query Clustering in Automatic Video Annotation", *Multimedia Tools and Applications*, 2016. **(1 citations)**
- [42] M. Zampoglou, S. Papadopoulos and Y. Kompatsiaris, "A Large-Scale Evaluation of Splicing Localization Algorithms for Web Images". In: *Multimedia Tools and Applications (special issue on Recent Advances in Multimedia Security: Biometrics & Forensics)*, 2016. **(7 citations)**
- 2015**
- [43] K. Avgerinakis, A. Briassouli, and I. Kompatsiaris, "Activity detection using sequential statistical boundary detection (SSBD)", *Computer Vision and Image Understanding (CVIU)*, 2015. **(3 citations)**
- [44] K. Avgerinakis, A. Briassouli, I. Kompatsiaris, "Activities of Daily Living Recognition Using Optimal Trajectories from Motion Boundaries", *Journal of Ambient Intelligence and Smart Environments* **(3 citations)**
- [45] C.F. Crispim-Junior, V. Buso, K. Avgerinakis, G. Meditskos, A. Briassouli, J. Benois-Pineau, I. Kompatsiaris, F. Bremond, "Semantic Event Fusion of Different Visual Modality Concepts for Activity Recognition", *Special Issue on Multimodal Human Pose Recovery*

- and Behavior Analysis, IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2016, issue 99. DOI: 10.1109/TPAMI.2016.2537323 **(8 citations)**
- [46] V. Epitropou, T. Bassoukos, K. Karatzas, A. Karppinen, L. Wanner, S. Vrochidis, I. Kompatsiaris, J. Kukkonen, "Environmental data extraction from heatmaps using the AirMerge system", Multimedia Tools and Applications, May 2015. pp. 1-25, doi: 10.1007/s11042-015-2604-7 **(1 citations)**
- [47] L. Johansson, V. Epitropou, K. Karatzas, A. Karppinen, L. Wanner, S. Vrochidis, A. Bassoukos, J. Kukkonen, I. Kompatsiaris, "Fusion of meteorological and air quality data extracted from the web for personalized environmental information services", Environmental Modeling and Software Journal, 2015, Volume 64, February 2015, pp. 143–155, doi: 10.1016/j.envsoft.2014.11.021 **(6 citations)**
- [48] V. Kaltsa, A. Briassouli, I. Kompatsiaris, L. Hadjileontiadis, M. G. Strintzis, "Swarm Intelligence for Detecting Interesting Events in Crowded Environments", IEEE Trans. on Image Processing (IF: 3.111) **(24 citations)**
- [49] B. Kikhia, T. G. Stavropoulos, G. Meditskos, I. Kompatsiaris, J. Hallberg, S. Sävenstedt and C. Melander, "Utilizing Ambient and Wearable Sensors to Monitor Sleep and Stress for People with BPSD in Nursing Homes", Journal of Ambient Intelligence and Humanized Computing, Springer, 2015 **(2 citations)**
- [50] E. Mantziou, S. Papadopoulos, Y. Kompatsiaris, "Learning to detect concepts with Approximate Laplacian Eigenmaps in large-scale and online settings", International Journal of Multimedia Information Retrieval 4(2), pp. 95-111, 2015
- [51] G. Meditskos, S. Dasiopoulou, I. Kompatsiaris, "MetaQ: A Knowledge-Driven Framework for Context-Aware Activity Recognition Combining SPARQL and OWL 2 Activity Patterns", Pervasive and Mobile Computing (to appear, IF: 1.667) **(20 citations)**
- [52] C. Papadaniil, V. Kosmidou, A. Tsolaki, L. Hadjileontiadis, M. Tsolaki, I. Kompatsiaris, "Age Effect in Human Brain Responses to Emotion Arousing Images: The EEG 3D-Vector Field Tomography Modeling Approach", IEEE Trans on Autonomous Mental Development, special issue: Multimodal Modeling & Analysis Informed by Brain Imaging, vol pp(99), 2015
- [53] T. G. Stavropoulos, G. Meditskos, E. Kontopoulos and I. Kompatsiaris, "Multi-sensing Monitoring and Knowledge-driven Analysis for Dementia Assessment", International Journal of E-Health and Medical Communications (IJEHMC), 6(4), 77-92, 2015. **(1 citation)**
- [54] Toutouzas, K., Chatzizisis, Y. S., Riga, M., Giannopoulos, A., Antoniadis, A. P., Tu, S., et al. (2015). Accurate and reproducible reconstruction of coronary arteries and endothelial shear stress calculation using 3D OCT: Comparative study to 3D IVUS and 3D QCA. Atherosclerosis, 240(2), 510-519. **(19 citations)**
- [55] A. Tsakalidis, S. Papadopoulos, A. Cristea, Y. Kompatsiaris. "Predicting Elections for Multiple Countries Using Twitter and Polls", IEEE Intelligent Systems **(15 citations)**
- [56] T. Tsikrika, A. Moutzidou, S. Vrochidis and I. Kompatsiaris, "Focussed Crawling of Environmental Web Resources Based on the Combination of Multimedia Evidence", Multimedia Tools and Applications, May 2015, pp 1-25, doi: 10.1007/s11042-015-2624-3 **(1 citations)**
- [57] M. Tsolaki, S. Zygouris, I. Lazarou, I. Kompatsiaris, L. Chatzileontiadis, C. Votis, D. Tzovaras, A. Karakostas, C. Karagiozi, T. Dimitriou, T. Tsiatsios, S. Dimitriadis, I. Tarnanas, D. Dranidis, and P. Bamidis, "Our experience with informative and

communication technologies (ICT) in dementia.," *Hell. J. Nucl. Med.*, vol. 18 Suppl 1, pp. 131–139, 2015.

- [58] L. Wanner, M. Rospocher, S. Vrochidis, L. Johansson, N. Bouayad-Aghae, G. Casamayore, A. Karppinen, I. Kompatsiaris, S. Millee, A. Moumtzidou, L. Serafini, *Ontology-centered environmental information delivery for personalized decision support, Expert Systems With Applications*, (to appear) **(4 citations)**
- [59] J. Ye, S. Dasiopoulou, G. Stevenson, G. Meditskos, E. Kontopoulos, I. Kompatsiaris, S. Dobson, *Semantic Web technologies in pervasive Computing: A survey and research roadmap, Pervasive and Mobile Computing (IF: 1.667)* **(26 citations)**

2014

- [60] Y. S. Chatzizisis, V. G. Koutkias, K. Toutouzas, A. Giannopoulos, I. Chouvarda, M. Riga, A. P. Antoniadis, G. Cheimariotis, C. Doulaverakis, I. Tsampoulatidis, K. Bouki, I. Kompatsiaris, C. Stefanadis, N. Maglaveras, G. D. Giannoglou, "Clinical Validation of an Algorithm for Rapid and Accurate Automated Segmentation of Intracoronary Optical Coherence Tomography", *International Journal of Cardiology*, vol. 172 (3), 1 April 2014, pp. 568-580. DOI: 10.1016/j.ijcard.2014.01.071) **(8 citations)**
- [61] C. Doulaverakis, G. Nikolaidis, A. Kleontas, I. Kompatsiaris, "Panacea, a Semantic-enabled Drug Recommendations Discovery Framework", *Journal of Biomedical Semantics*, 2014, 5:13, DOI: 10.1186/2041-1480-5-13
- [62] A. Moumtzidou, V. Epitropou, S. Vrochidis, K. Karatzas, S. Voth, A. Bassoukos, J. Moßgraber, A. Karppinen, J. Kukkonen and I. Kompatsiaris, "A Model for Environmental Data Extraction from Multimedia and its Evaluation against various Chemical Weather Forecasting Datasets", *Journal of Ecological Informatics*, pp. 69-82, 2014, special issue, ISSN 1574-9541, <http://dx.doi.org/10.1016/j.ecoinf.2013.08.003>. **(1 citation)**
- [63] S. Papadopoulos, Y. Kompatsiaris, "Social Multimedia Crawling for Mining and Search", *IEEE Computer*, Volume 47, Issue 5, May 2014, pp. 84-87 **(3 citations)**
- [64] P. Sidiropoulos, V. Mezaris, I. Kompatsiaris, "Video tomographs and a base detector selection strategy for improving large-scale video concept detection", *IEEE Transactions on Circuits and Systems for Video Technology*, vol. 24, no. 7, pp. 1251-1264, July 2014. **(4 citations)**
- [65] E. Spyromitros-Xioufis, S. Papadopoulos, Y. Kompatsiaris, G. Tsoumakas, I. Vlahavas, "A Comprehensive Study over VLAD and Product Quantization in Large-scale Image Retrieval", *IEEE Transactions on Multimedia* 16(6), pp. 1713-1728, October 2014. **(50 citations)**
- [66] A. Tsolaki, D. Kazis, I. Kompatsiaris, V. Kosmidou, M. Tsolaki, "Electroencephalogram and Alzheimer's disease", *International Journal of Alzheimer's Disease*, vol. 2014, Article ID 349249, 10 pages, doi:10.1155/2014/349249 **(12 citations)**
- [67] A. Tsolaki, V. Kosmidou, L. Hadjileontiadis, I. Kompatsiaris and M. Tsolaki "Brain source localization of MMN, P300 and N400: aging and gender differences", *Brain Research*, 2014, doi:<http://dx.doi.org/10.1016/j.brainres.2014.10.004> **(15 citations)**
- [68] L. Wanner, H. Bosch, N. Bouayad-Agha, G. Casamayor, T. Ertl, D. Hilbring, L. Johansson, K. Karatzas, A. Karppinen, I. Kompatsiaris, T. Koskentalo, S. Millee, J. Mossgraber, A. Moumtzidou, M. Myllynen, E. Pianta, M. Rospocher, L. Serafini, V. Tarvainen, S. Tonelli, S.

Vrochidis, "Getting the environmental information across: From the web to the user", Expert Systems, 2014.

2013

- [69] L. Aiello, G. Petkos, C. Martin, D. Corney, S. Papadopoulos, R. Skraba, A. Goker, I. Kompatsiaris, A. Jaimes, "Sensing trending topics in Twitter", Transactions on Multimedia, online preprint, IEEE, 2013, doi:10.1109/TMM.2013.226508 **(140 citations)**
- [70] C. Doulaverakis, I. Tsampoulatidis, A. P. Antoniadis, Y. S. Chatzizisis, A. Giannopoulos, I. Kompatsiaris, G. D. Giannoglou, "IVUSAngio Tool: A Publicly Available Software for Fast and Accurate 3D Reconstruction of Coronary Arteries", Computers in Biology and Medicine, 2013. **(6 citations)**
- [71] N. Gkalelis, V. Mezaris, I. Kompatsiaris, T. Stathaki, "Mixture subclass discriminant analysis link to restricted Gaussian model and other generalizations", IEEE Transactions on Neural Networks and Learning Systems, vol. 24, no. 1, pp. 8-21, January 2013. **(17 citations)**
- [72] I. Kompatsiaris, W. Zeng, G. Hua, L. Cao, "Introduction to the Special Section of Best Papers of ACM Multimedia 2012", ACM Transactions on Multimedia Computing Communications and Applications, October 2013. **(1 citation)**
- [73] I. Kompatsiaris, D. Gatica-Perez, X. Xie, J. Luo, "Special Section on Social Media as Sensors", IEEE Transactions on Multimedia, Volume: 15, Issue: 6, 2013, doi: 10.1109/TMM.2013.2264232 **(6 citations)**
- [74] S. Nikolopoulos, S. Zafeiriou, I. Patras and I. Kompatsiaris, "High-order pLSA for indexing tagged images", Signal Processing Elsevier, Special Issue on Indexing of Large-Scale Multimedia Signals, Volume 93, Issue 8, August 2013, Pages 2212-2228. **(15 citations)**

2012

- [75] A. Artikis, Y. Kompatsiaris, T. Winkler and P. Mylonas, "Introduction to the Special Issue on Event Recognition", Applied Artificial Intelligence Journal, Volume 26, Issue 1-2, 2012.
- [76] Werner Bailer, Bernard Mérialdo, Yiannis Kompatsiaris and Tat-Seng Chua, "Semantic Multimedia", Guest Editorial, Multimedia Tools and Applications, to appear, DOI: 10.1007/s11042-011-0855-5
- [77] E. Chatzilari, S. Nikolopoulos, I. Patras, I. Kompatsiaris, "Leveraging social media for scalable object detection", Pattern Recognition, Volume 45, Issue 8, August 2012, Pages 2962-2979, DOI: 10.1016/j.patcog.2012.02.006.
- [78] C. Doulaverakis, G. Nikolaidis, A. Kleontas, I. Kompatsiaris, "GalenOWL: Ontology based drug recommendations discovery", Journal of Biomedical Semantics, 2012, 3:14, DOI:10.1186/2041-1480-3-14 **(11 citations)**
- [79] E. Giannakidou, V. Koutsonikola, A. Vakali and I. Kompatsiaris, "In & out zooming on time-aware user/tag clusters", in Journal of Intelligent Information Systems, Vol 38, Issue 3, 2012, pages 685-708, DOI: 10.1007/s10844-011-0173-4 **(3 citations)**
- [80] N. Gkalelis, V. Mezaris, I. Kompatsiaris, T. Stathaki, "Linear subclass support vector machines", IEEE Signal Processing Letters, vol. 19, no. 9, pp. 575-578, September 2012. **(1 citation)**

- [81] P. Sidiropoulos, V. Mezaris, I. Kompatsiaris, J. Kittler, "Differential Edit Distance: A metric for scene segmentation evaluation", *IEEE Transactions on Circuits and Systems for Video Technology*, vol. 22, no. 6, pp. 904-914, June 2012. **(9 citations)**
- [82] S. Vrochidis, A. Moumtzidou, and I. Kompatsiaris, "Concept-based Patent Image Retrieval", *World Patent Information Journal*, Volume 34, Issue 4, pp. 292-303, December 2012. **(8 citations)**
- [83] C. Zigkolis, S. Papadopoulos, G. Filippou, Y. Kompatsiaris, A. Vakali, "Collaborative Event Annotation in Tagged Photo Collections", In *Multimedia Tools and Applications*, June 2012, doi:10.1007/s11042-012-1154-5 **(9 citations)**

2011

- [84] C. Lakka, S. Nikolopoulos, C. Varytimidis and I. Kompatsiaris, "A bayesian network modeling approach for cross media analysis", *Signal Processing: Image Communication* 26 (2011), pp. 175–193. **(4 citations)**
- [85] N. Gkalelis, V. Mezaris, I. Kompatsiaris, "Mixture subclass discriminant analysis", *IEEE Signal Processing Letters*, vol. 18, no. 5, pp. 319-322, May 2011. **(26 citations)**
- [86] Yiannis Kompatsiaris, Stephane Marchand-Maillet, Roelof van Zwol and Sébastien Marcel, "Introduction to the Special issue on Image and Video Retrieval: Theory and Applications", *Multimedia Tools and Applications*, vol. 55, no. 1, pp. 1-6, October 2011. **(2 citations)**
- [87] S. Nikolopoulos, G. Th. Papadopoulos, I. Kompatsiaris and I. Patras, "Evidence driven image interpretation by combining implicit and explicit knowledge in a bayesian network", *IEEE Transactions on Systems, Man and Cybernetics – Part B: Cybernetics*, vol.41, no.5, pp.1366-1381, Oct. 2011. DOI: 10.1109/TSMCB.2011.2147781. **(10 citations)**
- [88] G. Th. Papadopoulos, V. Mezaris, I. Kompatsiaris and M. Strintzis, "Joint Modality Fusion and Temporal Context Exploitation for Semantic Video Analysis", *EURASIP Journal on Advances in Signal Processing* 2011, 2011:89. DOI: 10.1186/1687-6180-2011-89. **(1 citation)**
- [89] G.Th. Papadopoulos, C. Saathoff, H.J. Escalante, V. Mezaris, I. Kompatsiaris, M.G. Strintzis, "A Comparative Study of Object-level Spatial Context Techniques for Semantic Image Analysis", *Computer Vision and Image Understanding*, vol. 115, no. 9, pp. 1288-1307, September 2011. **(18 citations)**
- [90] S. Papadopoulos, C. Zigkolis, Y. Kompatsiaris, A. Vakali. "Cluster-based Landmark and Event Detection for Tagged Photo Collections". In *IEEE Multimedia Magazine* 18(1), pp. 52-63, 2011. **(74 citations)**
- [91] S. Papadopoulos, Y. Kompatsiaris, A. Vakali, P. Spyridonos. "Community Detection in Social Media". In *Data Mining and Knowledge Discovery*, Vol. 24, Issue 3, pp. 515-554, May 2012. **(222 citations)**
- [92] P. Sidiropoulos, S. Vrochidis, I. Kompatsiaris, "Content-Based Binary Image Retrieval using the Adaptive Hierarchical Density Histogram", *Pattern Recognition Journal*, Elsevier, Volume 44, Issue 4, pp 739-750, April 2011. **(32 citations)**
- [93] P. Sidiropoulos, V. Mezaris, I. Kompatsiaris, H. Meinedo, M. Bugalho, I. Trancoso, "Temporal video segmentation to scenes using high-level audiovisual features", *IEEE Transactions on Circuits and Systems for Video Technology*, vol. 21, no. 8, pp. 1163-1177, August 2011. **(39 citations)**

- [94] S. Vrochidis, I. Kompatsiaris and I. Patras, "Utilizing Implicit User Feedback to Improve Interactive Video Retrieval". In *Advances in Multimedia*, Hindawi, vol. 2011, Article ID 310762, 18 pages, 2011. doi:10.1155/2011/310762 **(5 citations)**.

2010

- [95] A. Briassouli, D. Matsiki, I. Kompatsiaris, "Continuous Wavelet Transform for Time Varying Motion Extraction", *IET Image Processing*, Special Issue VIE, Vol. 4 (4), pp. 271 – 282, August 2010. **(4 citations)**
- [96] S. Dasiopoulou, V. Tzouvaras, I. Kompatsiaris and M.G. Strintzis, "Enquiring MPEG-7 based Ontologies", *Multimedia Tools Appl.* 46(2), pp. 331-370, 2010. **(16 citations)**
- [97] S. Dasiopoulou, I. Kompatsiaris and M.G. Strintzis, "Investigating Fuzzy DLs-Based Reasoning in Semantic Image Analysis", *Multimedia Tools Appl.* 49(1), pp. 167-194, 2010. **(16 citations)**
- [98] C. Doulaverakis, M. Papadogiorgaki, V. Mezaris, A. Mpillis, E.Parissi, A. Gounaris, I. Kompatsiaris, Y. S. Chatzizisis, G. D.Giannoglou, "IVUS Image Processing and Semantic Analysis for Cardiovascular Diseases Risk Prediction", *International Journal of Biomedical Engineering and Technology*, Special Issue on Decision Support in Medicine, vol. 3, no. 3/4, pp. 349-374, 2010, DOI: 10.1504/IJBET.2010.032700. **(6 citations)**
- [99] V. Mezaris, S. Gidaros, G. Th. Papadopoulos, W. Kasper, J. Steffen, R. Ordelman, M. Huijbregts, F. de Jong, I. Kompatsiaris, M. G. Strintzis, "A system for the semantic multi-modal analysis of news audio-visual content", *EURASIP Journal on Advances in Signal Processing*, vol. 2010, 2010. **(6 citations)**
- [100] S. Papadopoulos, A. Vakali and Y. Kompatsiaris. "The Dynamics of Content Popularity in Social Media". In *International Journal of Data Warehousing and Mining* 6(1), 2010, IGI Global. **(8 citations)**
- [101] Stefanos Vrochidis, Symeon Papadopoulos, Anastasia Moumtzidou, Panagiotis Sidiropoulos, Emanuelle Pianta, Ioannis Kompatsiaris, "Towards Content-based Patent Image Retrieval; A Framework Perspective", *World Patent Information Journal*, Volume 32, Issue 2, pp 94-106, June 2010. **(26 citations)**

2009

- [102] A. Briassouli, I. Kompatsiaris, "Robust Temporal Activity Templates Using Higher Order Statistics", *IEEE Transactions on Image Processing*, Vol. 18, Issue 12, pp. 2756-2768, Dec. 2009 **(10 citations)**.
- [103] A. Briassouli, V. Tsiminaki, I.Kompatsiaris, "Human Motion Analysis via Statistical Motion Processing and Sequential Change Detection," *EURASIP Journal on Image and Video Processing*, vol. 2009, Article ID 652050, 16 pages, 2009. doi: 10.1155/2009/652050 **(7 citations)**.
- [104] S. Dasiopoulou, I. Kompatsiaris and M.G. Strintzis, "Applying Fuzzy DLs in the Extraction of Image Semantics", *J. Data Semantics XIV*, pp. 105-132, 2009. **(16 citations)**
- [105] G. Th. Papadopoulos, A. Briassouli, V. Mezaris, I. Kompatsiaris and M. G. Strintzis, "Statistical Motion Information Extraction and Representation for Semantic Video Analysis", *IEEE Transactions on Circuits and Systems for Video Technology*, vol. 19, no. 10, pp. 1513-1528, October 2009 **(14 citations)**.

2008

- [106] Francesco Bellotti, Stefanos Vrochidis, Sophie Ramel, Ioannis Tsampoulatidis, Pascal Lhoas, Matteo Pellegrino, Giancarlo Bo and Ioannis Kompatsiaris, "A Technological Framework for the Authoring and Presentation of T-learning Courses", *International Journal of Emerging Technologies in Learning (IJET)*, Vol 3, No4, pp 10-19, 2008. **(5 citations)**
- [107] Francesco Bellotti, Stefanos Vrochidis, Eirini Parissi, Pascal Lhoas, Damien Mathevon, Matteo Pellegrino, Giancarlo Bo and Ioannis Kompatsiaris, "A T-learning Courses Development and Presentation Framework", *IEEE Multidisciplinary Engineering Education Magazine*, Vol 3, No 3, pp 69-76, September 2008.
- [108] A. Briassouli, V. Mezaris, I. Kompatsiaris, "Combination of Accumulated Motion and Color Segmentation for Human Activity Analysis", *EURASIP Journal on Image and Video Processing*, vol. 2008, Article ID 735141, 2008. **(1 citation)**
- [109] Yiannis Kompatsiaris, Yannis Avrithis and Noel E. O'Connor, "Introduction to the Special issue on Semantic Analysis for Interactive Multimedia Services", *Signal Processing: Image Communication* 23 (2008), pp. 471-472, August 2008.
- [110] Maria Papadogiorgaki, Vasileios Papastathis, Evangelia Nidelkou, Simon Waddington, Ben Bratu, Myriam Ribiere and Ioannis Kompatsiaris, "Two-level Automatic Adaptation of a Distributed User Profile for Personalized News Content Delivery", *International Journal of Digital Multimedia Broadcasting, Special Issue on Personalization of Mobile Multimedia Broadcasting*, vol. 2008, Article ID 863613, 21 pages, doi:10.1155/2008/863613, June 2008. **(8 citations)**
- [111] Maria Papadogiorgaki, Vasileios Mezaris, Yiannis S. Chatzizisis, George D. Giannoglou and Ioannis Kompatsiaris, "Image analysis techniques for automated IVUS contour detection", *Ultrasound in Medicine and Biology Journal*, vol. 34, no. 9, pp. 1482-1498, September 2008. **(44 citations)**
- [112] Stefanos Vrochidis, Charalampos Doulaverakis, Anastasios Gounaris, Evangelia Nidelkou, Lambros Makris and Ioannis Kompatsiaris, "A Hybrid Ontology and Visual-based Retrieval Model for Cultural Heritage Multimedia Collections", *International Journal of Metadata, Semantics and Ontologies*, Vol.3, No. 3, pp. 167-182, 2008. **(13 citations)**
- [113] L. Wanner, R. Baeza-Yates, S. Brugmann, J. Codina, B. Diallo, E. Escorsa, M. Giereth, Y. Kompatsiaris, S. Papadopoulos, E. Pianta, G. Piella, I. Puhlmann, G. Rao, M. Rotard, P. Schoester, L. Serafini and V. Zervaki. "Towards content-oriented patent document processing". In *World Patent Information*, 30(1): 21-33, March 2008. **(68 citations)**

2007

- [114] Alexia Briassouli, Vasileios Mezaris, Ioannis Kompatsiaris, "Color aided motion-segmentation and object tracking for video sequences semantic analysis", *International Journal of Imaging Systems and Technology (IJIST)*, Special Issue on Applied Color Image Processing, Volume 17, Issue 3, pp 174-189, 2007 **(1 citations)**
- [115] G. D. Giannoglou, Y. S. Chatzizisis, V. Koutkias, I. Kompatsiaris, M. Papadogiorgaki, V. Mezaris, E. Parissi, P. Diamantopoulos, M. G. Strintzis, N. Maglaveras, G. E. Parcharidis, G. E. Louridas, "A Novel Active Contour Model for Fully Automated Segmentation of Intravascular Ultrasound Images: In-Vivo Validation in Human Coronary Arteries", *Computers in Biology and Medicine*, vol. 37, pp. 1292-1302, September 2007. **(48 citations)**

[116] Maria Papadogiorgaki, Vasileios Mezaris, Yiannis S. Chatzizisis, George D. Giannoglou and Ioannis Kompatsiaris, "Texture Analysis and Radial Basis Function Approximation for IVUS image Segmentation", The Open Biomedical Engineering Journal, vol. 1, pp. 53-59, December 2007. **(3 citations)**

[117] G. Th. Papadopoulos, V. Mezaris, I. Kompatsiaris and M. G. Strintzis: "Combining Global and Local Information for Knowledge-Assisted Image Analysis and Classification", EURASIP Journal on Advances in Signal Processing, Special Issue on Knowledge-Assisted Media Analysis for Interactive Multimedia Applications, vol. 2007 (2007), Article ID 45842. **(8 citations)**

2006

[118] V. Mezaris, I. Kompatsiaris and M. G. Strintzis, "Object-based MPEG-2 video indexing and retrieval in a collaborative environment", Multimedia Tools and Applications Journal, Springer, vol. 30, no. 3, pp. 255-272, September 2006. **(3 citations)**

[119] G. Th. Papadopoulos, Ph. Mylonas, V. Mezaris, Y. Avrithis and I. Kompatsiaris, "Knowledge-Assisted Image Analysis Based on Context and Spatial Optimization", International Journal on Semantic Web and Information Systems, vol. 2, no. 3, pp. 17-36, July-September 2006. **(13 citations)**

[120] K. Petridis, S. Bloehdorn, C. Saathoff, N. Simou, S. Dasiopoulou, V. Tzouvaras, S. Handschuh, Y. Avrithis, I. Kompatsiaris and S. Staab: "Knowledge Representation and Semantic Annotation of Multimedia Content", IEE Proceedings on Vision Image and Signal Processing, Special issue on Knowledge-Based Digital Media Processing, Vol. 153, No. 3, pp. 255-262, June 2006. **(48 citations)**

2005

[121] S. Dasiopoulou, V. Mezaris, I. Kompatsiaris, V. K. Papastathis and M. G. Strintzis, "Knowledge-Assisted Semantic Video Object Detection", IEEE Transactions on Circuits and Systems for Video Technology, Special Issue on Analysis and Understanding for Video Adaptation, vol. 15, no. 10, pp. 1210-1224, October 2005. **(72 citations)**

2004

[122] P. Daras, I. Kompatsiaris, T. Raptis and M. G. Strintzis, "An MPEG-4 Tool for Composing 3D Scenes", IEEE Multimedia Magazine, vol. 11, no. 2, April/June 2004. **(8 citations)**

[123] V. Mezaris, I. Kompatsiaris, N. V. Boulgouris, and M. G. Strintzis, "Real-time compressed-domain spatiotemporal segmentation and ontologies for video indexing and retrieval", IEEE Transactions on Circuits and Systems for Video Technology, Special Issue on Audio and Video Analysis for Multimedia Interactive Services, vol. 14, no. 5, pp. 606-621, May 2004. **(130 citations)**

[124] V. Mezaris, I. Kompatsiaris, and M. G. Strintzis, "Region-based Image Retrieval using an Object Ontology and Relevance Feedback", EURASIP Journal on Applied Signal Processing, Special Issue on Object-Based and Semantic Image and Video Analysis, vol. 2004, no. 6, pp. 886-901, June 2004. **(67 citations)**

[125] V. Mezaris, I. Kompatsiaris, and M. G. Strintzis, "Video Object Segmentation using Bayes-based Temporal Tracking and Trajectory-based Region Merging", IEEE Transactions on

Circuits and Systems for Video Technology, vol. 14, no. 6, pp. 782-795, June 2004. **(66 citations)**

- [126] V. Mezaris, I. Kompatsiaris and M. G. Strintzis, "Still Image Segmentation Tools for Object-based Multimedia Applications", International Journal of Pattern Recognition and Artificial Intelligence, vol. 18, no. 4, pp. 701-725, June 2004. **(33 citations)**

2003

- [127] P. Daras, I. Kompatsiaris, I. Grinias, G. Akrivas, G. Tziritas, S. Koliass, and M. G. Strintzis, "MPEG-4 Authoring Tool using Moving Object Segmentation and Tracking in Video Shots", EURASIP Journal on Applied Signal Processing, 2003:9 (2003), pp. 861-877. **(6 citations)**

2002

- [128] N. V. Boulgouris, I. Kompatsiaris, V. Mezaris, D. Simitopoulos, and M. G. Strintzis, "Segmentation and Content-based Watermarking for Color Image and Image Region Indexing and Retrieval", EURASIP Journal on Applied Signal Processing, Special Issue on Image Analysis for Multimedia Interactive Services, vol. 2002, no. 4, pp. 418-431, April 2002. **(10 citations)**

2001

- [129] I. Kompatsiaris, D. Tzovaras and M.G. Strintzis, "Hierarchical Representation and Coding of Surfaces using 3D Polygon Meshes", IEEE Trans. on Image Processing, Vol. 10, no. 8, pp. 1133-1151, August 2001 **(4 citations)**.

2000

- [130] I. Kompatsiaris and M.G. Strintzis, "Spatiotemporal Segmentation and Tracking of Objects for Visualization of Videoconference Image Sequences", IEEE Trans. on Circuits and System for Video Technology, vol. 10, no. 8, pp. 1388-1402, December 2000. **(48 citations)**
- [131] I. Kompatsiaris, D. Tzovaras, V. Koutkias and M. Strintzis, "Deformable Boundary Detection of Stents in Angiographic Images", IEEE Transactions on Medical Imaging, 2000, vol. 19, no. 6, pp. 652-662, June 2000. **(43 citations)**

1999

- [132] D. Tzovaras, I. Kompatsiaris and M. G. Strintzis: "3D Object Articulation and Motion Estimation in Model-Based Stereoscopic Videoconference Image Sequence Analysis and Coding", Signal Processing: Image Communication Journal, Vol. 14, No. 10, pp. 817-840, August 1999. **(20 citations)**

1998

- [133] I. Kompatsiaris, D. Tzovaras and M.G. Strintzis, "3-D Model-Based Segmentation of Videoconference Image Sequences", IEEE Trans. on Circuits and System for Video Technology, Vol. 8, No. 5, pp. 547-561, September 1998 **(19 citations)**.
- [134] I. Kompatsiaris, D. Tzovaras and M.G. Strintzis, "Flexible 3D Motion Estimation and Tracking for Multiview Image Sequence Coding", Signal Processing: Image Communication

Journal, Special Issue on 3D Video Technology, vol. 14, No. 1-2, pp. 95-110, November 1998. **(4 citations)**

BOOK CHAPTERS

- [1] G. Kalpakis, T. Tsirikla, I. Gialampoukidis, S. Papadopoulos, S. Vrochidis, I. Kompatsiaris (2018). Analysis of Suspended Terrorism-Related Content on Social Media. In Community-Oriented Policing and Technological Innovations, SpringerBriefs in Policing, Springer.
- [2] E. Spyromitros-Xioufs, A. Moumtzidou, S. Papadopoulos, S. Vrochidis, Y. Kompatsiaris, A. K. Georgoulas, G. Alexandri, K. Kourtidis, "Towards improved air quality monitoring using publicly available sky images", In Multimedia Technologies for Environmental & Biodiversity Informatics, 2018. (accepted for publication)
- [3] Anastasios Karakostas, Anastasios Maronidis, Dimitrios Ververidis, Efstathios Nikolaidis, Anastasios Papazoglou – Chalikias, Spiros Nikolopoulos, Ioannis Kompatsiaris, Enhancing Virtual Learning Spaces: the impact of the Gaming Analytics, A2LS Springer book "Software Data Engineering For Network eLearning Environments: Analytics and Awareness Learning Services", 2017 (to appear)
- [4] Ioannis Kompatsiaris, Sotiris Diplaris, and Symeon Papadopoulos, Collective Intelligence, Overview. In: Alhajj, R.; Rokne, J. (eds.), Encyclopedia of Social Networks and Mining (ESNAM, 2nd edition), Springer, 2017 (accepted for publication)
- [5] E. Spyromitros-Xioufs, A. Moumtzidou, S. Papadopoulos, S. Vrochidis, Y. Kompatsiaris, A. K. Georgoulas, G. Alexandri, K. Kourtidis, "Towards improved air quality monitoring using publicly available sky images", In Multimedia Technologies for Environmental & Biodiversity Informatics, 2018. (accepted for publication)
- [6] Stavropoulos, T.G., Andreadis, S., Kontopoulos, E., Riga, M., Mitzias, P., Kompatsiaris, I.: The SemaDrift Protégé Plugin to Measure Semantic Drift in Ontologies: Lessons Learned. In: Ciancarini, P., Poggi, F., Horridge, M., Zhao, J., Groza, T., Suarez-Figueroa, M.C., D'Aquin, M., and Presutti, V. (eds.) Knowledge Engineering and Knowledge Management: EKAW 2016 Satellite Events, EKM and Drift-an-LOD, Bologna, Italy, November 19--23, 2016, Revised Selected Papers. pp. 29–39.
- [7] A. Maronidis, C. Elisavet, S. Nikolopoulos and I. Kompatsiaris, "Smart Sampling and Optimal Dimensionality Reduction of Big Data Using Compressed Sensing", accepted for inclusion in the book "Big Data Optimization", Springer. **(2 citations)**
- [8] S. Andreadis, T. G. Stavropoulos, G. Meditskos, and I. Kompatsiaris, "Dem@Home: Ambient Intelligence for Clinical Support of People Living with Dementia," in The Semantic Web: ESWC 2016 Satellite Events, Heraklion, Crete, Greece, May 29 -- June 2, 2016, Revised Selected Papers, H. Sack, G. Rizzo, N. Steinmetz, D. Mladenić, S. Auer, and C. Lange, Eds. Cham: Springer International Publishing, 2016, pp. 357–368.
- [9] G. Kalpakis, T. Tsirikla, N. Cunningham, C. Iliou, S. Vrochidis, J. Middleton, I. Kompatsiaris, "OSINT and the Dark Web", In "Open Source Intelligence Investigation - From Strategy to Implementation", B. Akhgar, P. S. Bayerl, F. Sampson (Eds.), Springer, 2016
- [10] S. Waddington, M. Hedges, M. Riga, P. Mitzias, E. Kontopoulos, I. Kompatsiaris, J-Y Vion-Dury, N. Lagos, S. Darányi, F. Corubolo, C. Muller, J. Mcneill. PERICLES – Digital Preservation through Management of Change in Evolving Ecosystems. In: The Success of

European Projects using New Information and Communication Technologies, Chapter 4, pp. 59-82, SCITEPRESS Digital Library, 2016.

- [11] K. Avgerinakis, A. Briassouli, I. Kompatsiaris, "Activity Detection and Recognition of Daily Living Events", book chapter in Springer book "Comprehensive Health Monitoring and Personalized Feedback Using Multimedia Data", pp. 139-160, 2015.
- [12] A. Mourtzidou, S. Vrochidis, I. Kompatsiaris, "Discovery, Analysis and Retrieval of Multimodal Environmental Information", Encyclopedia of Information Science and Technology, IGI Global 3rd Edition, pp. 4528-4542, 2015.
- [13] E. Apostolidis, P. Sidiropoulos, V. Mezaris, I. Kompatsiaris, "Visual Information Analysis for Interactive TV applications", Encyclopedia of Information Science and Technology, IGI Global, 2014.
- [14] N. Gkalelis, V. Mezaris, M. Dimopoulos, I. Kompatsiaris, "Video Event Understanding", Encyclopedia of Information Science and Technology, IGI Global, 2014. **(1 citation)**
- [15] I. Kompatsiaris, S. Diplaris, and S. Papadopoulos, Collective Intelligence, Overview. In: Alhaji, R.; Rokne, J. (eds.), Encyclopedia of Social Networks and Mining (ESNAM), Springer (2014)
- [16] S. Vrochidis, A. Mourtzidou, I. Kompatsiaris, "Enhancing Patent Search with Content-based Image Retrieval", Professional Search in the Modern World, Lecture Notes in Computer Science Volume 8830, 2014, pp 250-273. **(1 citation)**
- [17] V. Mezaris, A. Dimou, I. Kompatsiaris, "Local Invariant Feature Tracks for High-Level Video Feature Extraction", Lecture Notes in Electrical Engineering, vol. 158: Analysis, Retrieval and Delivery of Multimedia Content, N. Adami, A. Cavallaro, R. Leonardi, P. Migliorati (Editors), ISBN 978-1-4614-3830-4, Springer, 2012.
- [18] P. Sidiropoulos, V. Mezaris, I. Kompatsiaris, H. Meinedo, M. Bugalho, I. Trancoso, "On the use of audio events for improving video scene segmentation", Lecture Notes in Electrical Engineering, vol. 158: Analysis, Retrieval and Delivery of Multimedia Content, N. Adami, A. Cavallaro, R. Leonardi, P. Migliorati (Editors), ISBN 978-1-4614-3830-4, Springer, 2012.
- [19] Th. Athanasiadis, Ph. Mylonas, G. Th. Papadopoulos, V. Mezaris, Y. Avrithis, I. Kompatsiaris, M. G. Strintzis, "Knowledge-Driven Segmentation and Classification", Multimedia Semantics: Metadata, Analysis and Interaction, R. Troncy, B. Huet and S. Schenk (Editors), pp. 163-182, ISBN: 978-0-470-74700-1, Wiley, July 2011. **(1 citation)**
- [20] E. Chatzilari, S. Nikolopoulos, I. Patras and I. Kompatsiaris, "Enhancing Computer Vision Using the Collective Intelligence of Social Media", in book New Directions in Web Data Management 1, Athena Vakali, Lakhmi C Jain (Eds.), book series: Studies in Computational Intelligence, vol. 331, Springer 2011, ISBN: 978-3-642-17550-3. **(2 citations)**
- [21] K. Dalakleidi, S. Dasiopoulou, G. Stoilos, V. Tzouvaras, G. Stamou, Y. Kompatsiaris, "Semantic Representation of Multimedia Content", in Book "Knowledge-driven Multimedia Information Extraction and Ontology Evolution", 6050/BOEMIE EU Project, G. Paliouras, C.D. Spyropoulos, G. Tsatsaronis (Editors), Springer Verlag, 2011. **(2 citations)**
- [22] S. Dasiopoulou, E. Giannakidou, G. Litos, P. Malasioti, Y. Kompatsiaris, "A Survey of Semantic Image and Video Annotation Tools", in Book "Knowledge-driven Multimedia Information Extraction and Ontology Evolution", 6050/BOEMIE EU Project, G. Paliouras, C.D. Spyropoulos, G. Tsatsaronis (Eds.), Springer Verlag, 2011. **(39 citations)**

- [23] S. Diplaris, A. Sonnenbichler, T. Kaczanowski, P. Mylonas, A. Scherp, M. Janik, S. Papadopoulos, M. Ovelgoenne, Y. Kompatsiaris. "Emerging, Collective Intelligence for personal, organisational, and social use". In book Next Generation Data Technologies for Collective Computational Intelligence, edited by Dr. Nik Bessis and Dr. Fatos Xhafa, published in "Studies in Computational Intelligence" book series, 2011, Volume 352/2011, pp. 527-573, Springer. **(8 citations)**
- [24] S. Nikolopoulos, E. Giannakidou, I. Kompatsiaris, I. Patras, and A. Vakali, "Combining multi-modal features for social media analysis", in book Social Media Modeling and Computing, Steven Hoi, Jiebo Luo, Susanne Boll, Dong Xu, Rong Jin, Irwin King (Eds.), 1st Edition, VIII, 276 p, Springer 2011, ISBN: 978-0-85729-435-7. **(2 citations)**
- [25] S. Nikolopoulos, E. Chatzilari, E. Giannakidou, S. Papadopoulos, I. Kompatsiaris, A. Vakali, "Leveraging Massive User Contributions for Knowledge Extraction". In book Next Generation Data Technologies for Collective Computational Intelligence, Bessis, Nik; Xhafa, Fatos (Eds.), book series: Studies in Computational Intelligence, vol. 352, 1st Edition., XVIII, 638 p. 211, Springer 2011, ISBN 978-3-642-20343-5. **(1 citation)**
- [26] L. Nixon, S. Dasiopoulou, J.P. Evain, E. Hyvonen, I. Kompatsiaris, R. Troncy, "Multimedia, Broadcasting and eCulture", Handbook of Semantic Web Technologies ", J. Domingue, D. Fensel, J. Hendler (Eds.), Springer, ISBN: 978-3-540-92913-0, due February 14, 2011. **(2 citations)**
- [27] S. Papadopoulos, A. Vakali, Y. Kompatsiaris. "Community Detection in Collaborative Tagging Systems". In Book Community-built Database: Research and Development, edited by Dr. Eric Pardede, Springer, May 2011. **(1 citation)**
- [28] D. Tsatsou, S. Papadopoulos, I. Kompatsiaris, P.C. Davis, "Distributed Technologies for Personalized Advertisement Delivery", in Online Multimedia Advertising: Techniques and Technologies, Xian-Sheng Hua, Tao Mei, Alan Hanjalic (editors), IGI Global, 2011. **(5 citations)**
- [29] F. Bellotti, S. Vrochidis, M. Pellegrino, I. Tsampoulatidis, P. Lhoas, G. Bo, A. De Gloria, I. Kompatsiaris, "An Integrated Framework for Personalized t-learning" in Cases on Transnational Learning and Technologically Enabled Environments, pages 118-135, Siran Mukerji and Purnendu Tripathi (Editors), IGI Global, ISBN13: 9781615207497, 2010.
- [30] E. Giannakidou, F. Kaklidou, E. Chatzilari I. Kompatsiaris, A. Vakali, "Harvesting Intelligence in Multimedia Social Tagging Systems" in book: "Emergent Web Intelligence: Advanced Information Retrieval", Springer Verlag, Series: Advanced Information and Knowledge Processing, Editors: Chbeir, R., Badr, Y., Abraham, A., Hassanien, A.-E., Published: April 2010. **(1 citations)**
- [31] C. Evangelou, M. Tsagarakis, N. Karousos, G. Gkotsis D. Nousia, "Personalization Services for Online Collaboration and Learning", Solutions and Innovations in Web-Based Technologies for Augmented Learning, Information Science Reference, N. Karacapilidis (Editor), ISBN 978-1-60566-238-1, 2009.
- [32] S. Papadopoulos, Fotis Menemenis, Athena Vakali, Yiannis Kompatsiaris, "Analysis of Content Popularity in Social Bookmarking Systems". In book Evolving Application Domains of Data Warehousing and Mining: Trends and Solutions, edited by Dr. Pedro Furtado, IGI Publishing, September 2009.
- [33] S. Dasiopoulou, V. Tzouvaras, I. Kompatsiaris and M.G. Strintzis, "Capturing MPEG-7 Semantics", in Metadata and Semantics, Springer US, ISBN 978-0-387-77745-0, pp. 113-122, October 2008 (DOI 10.1007/978-0-387-77745-0). **(5 citations)**

- [34] Yiannis Kompatsiaris and Paola Hobson, "Introduction to Semantic Multimedia", *Semantic Multimedia and Ontologies: Theory and Applications*, Kompatsiaris, Yiannis; Hobson, Paola (Eds.), Springer, March 2008. **(13 citations)**
- [35] V.Mezaris, G.Th.Papadopoulos, A.Briassouli, I.Kompatsiaris, M.G.Strintzis: "Semantic Video Analysis and Understanding", *Encyclopedia of Information Science and Technology (2nd Edition)*, Mehdi Khosrow-Pour (Editor), IGI Global, vol. VII, pp. 3419-3425, October 2008. **(5 citations)**
- [36] V.Mezaris, N.Thomos, N.V.Boulgouris, I.Kompatsiaris: "Knowledge-Assisted Analysis of Video for Content-Adaptive Coding and Transmission", *Advances in Semantic Media Adaptation and Personalization*, M. Wallace, M. Angelides, P. Mylonas (Editors), *Studies in Computational Intelligence series*, vol. 93, pp. 221-240, Springer-Verlag, January 2008.
- [37] E. Nidelkou, V. Papastathis, M. Papadogiorgaki, I. Kompatsiaris, S. Waddington, B. Bratu and M. Ribiere, "User Profile Modeling and Learning", in *Encyclopedia of Information Science and Technology (2nd Edition)*, Mehdi Khosrow-Pour (Editor), IGI Global, vol. VIII, pp. 3934-3939, October 2008. **(1 citations)**
- [38] M.Papadogiorgaki, V.Mezaris, Y.Chatzizisis, G.D.Giannoglou, I.Kompatsiaris: "Visual Medical Information Analysis", *Encyclopedia of Information Science and Technology (2nd Edition)*, Mehdi Khosrow-Pour (Editor), IGI Global, vol. VIII, pp. 4034-4040, October 2008.
- [39] S. Vrochidis, F. Bellotti, G. Bo, Linda Napoletano and I. Kompatsiaris, "T-Learning Technologies", in *Encyclopedia of Information Science and Technology (2nd Edition)*, Mehdi Khosrow-Pour (Editor), IGI Global, vol. VIII, pp. 3765-3771, October 2008 **(1 citations)**
- [40] S. Vrochidis, C. Doulaverakis, A. Gounaris, E. Nidelkou, L. Makris and I. Kompatsiaris, "A Hybrid Ontology and Visual-based Retrieval Model for Cultural Heritage Multimedia Collections", in *Metadata and Semantics*, Springer US, ISBN 978-0-387-77745-0, pp. 1-10, October 2008.
- [41] S. Dasiopoulou, C. Doulaverakis, V. Mezaris, I. Kompatsiaris, M.G.Strintzis, "An Ontology-Based Framework for Semantic Image Analysis and Retrieval", in *Semantic-Based Visual Information Retrieval*, Yu-Jin ZHANG (Editor), Idea Group Inc., pp. 269-294, 2007. **(8 citations)**
- [42] S. Dasiopoulou, C. Saathoff, Ph. Mylonas, Y. Avrithis, Y. Kompatsiaris, S. Staab and M.G. Strintzis, "Introducing Context and Reasoning in Visual Content Analysis: An Ontology-based Framework", in *Semantic Multimedia and Ontologies: Theory and Applications*, P.M. Hobson, Y. Kompatsiaris (Eds), Springer-Verlang, pp. 99-122, Sept. 2007 (DOI 10.1007/978-1-84800-076-6) **(7 citations)**
- [43] A. Ozolina, A. Kapenieks, B. Zuga, M. Jirgensons, F. Bellotti, S. Vrochidis, Y. Kompatsiaris, I. Tsampoulatidis: "Designing Attractive T-Learning Courses Applications for Interactive Digital TV" *Annual Proceedings of Vidzeme University College, "ICTE in Regional Development"*, 2007, Valmiera, Latvia, pp 87-95, ISBN 9984-633-10-1.
- [44] S. Argyropoulos, N. V. Boulgouris, N. Thomos, I. Kompatsiaris, M. G. Strintzis, "Coding of 2D and 3D Color Image Sequences" in *Color Image Processing: Methods and Applications*, Rastislav Lukac, Konstantinos N. Plataniotis (Editors), CRC Press, 2006.
- [45] S. Dasiopoulou, E. Spyrou, Y. Kompatsiaris, Y. Avrithis, and M.G. Strintzis, "Semantic Processing of Color Images", in *Color Image Processing: Methods and Applications*, Rastislav Lukac, Konstantinos N. Plataniotis (Editors), CRC Press, pp. 259-285, 2006 **(5 citations)**.
- [46] V. Mezaris, I. Kompatsiaris and M. G. Strintzis, "Segmentation of Images and Video" in *Encyclopedia of Multimedia*, B. Furht (Editor), pp. 780-788, ISBN 0-387-24395-X, Springer, 2006. **(1 citation)**

- [47] I. Kompatsiaris, V. Mezaris, and M. G. Strintzis, "Multimedia content indexing and retrieval using an object ontology", *Multimedia Content and Semantic Web - Methods, Standards and Tools*, G. Stamou (Editor), Wiley, May 2005. **(13 citations)**
- [48] P. Dafas, I. Kompatsiaris and M. G. Strintzis: "Optimal Hierarchical Adaptive Mesh Construction using FCO sampling", *Advances in Geometric Modeling*, M. Sarfraz, Ed. Wiley Europe, November 2003 **(1 citation)**.

CONFERENCES

2018

- [1] I. Gialampoukidis, A. Moumtzidou, S. Vrochidis and Y. Kompatsiaris, "Fusion of Compound Queries with Multiple Modalities for Known Item Video Search", 13th Workshop on IEEE Image, Video, and Multidimensional Signal Processing (IVMSP 2018), 10-12 June 2018, Zagori, Greece
- [2] P. Giannakeris, V. Kaltsa, K. Avgerinakis, A. Briassouli, S. Vrochidis and I. Kompatsiaris, "Speed Estimation and Abnormality Detection from Surveillance Cameras". CVPRW NVIDIA AI City Challenge, 2018.
- [3] P. Giannakeris, K. Avgerinakis, A. Karakostas, S. Vrochidis and I. Kompatsiaris, "People and vehicles in danger - A fire and flood detection system in social media", 13th Workshop on IEEE Image, Video, and Multidimensional Signal Processing (IVMSP 2018), 10-12 June 2018, Zagori, Greece
- [4] E. Kontopoulos, P. Mitzias, J. Moßgraber, P. Hertweck, H. van der Schaaf, D. Hilbring, F. Lombardo, D. Norbiato, M. Ferri, A. Karakostas, S. Vrochidis, I. Kompatsiaris (2018). Ontology-based Representation of Crisis Management Procedures for Climate Events. 1st International Workshop on Intelligent Crisis Management Technologies for Climate Events (ICMT 2018), collocated with the 15th International Conference on Information Systems for Crisis Response and Management (ISCRAM 2018), accepted for publication.
- [5] E. Michail, A. Moumtzidou, I. Gialampoukidis, K. Avgerinakis, M. G. Scarpino, S. Vrochidis, G. Vingione, I. Kompatsiaris, K. Labbassi, M. Menenti, F.-E. Elghandour, "Testing a Flood Mask Correction Method Of Optical Satellite Imagery Over Irrigated Agricultural Areas", 2nd Mapping Water Bodies from Space Conference (MWBS2018), 27-28 March 2018, ESA-ESRIN Frascati, Italy.
- [6] A. Moumtzidou, S. Andreadis, I. Gialampoukidis, A. Karakostas, S. Vrochidis and I. Kompatsiaris, "Flood relevance estimation from visual and textual content in social media streams", WWW 2018 Workshop on Exploitation of Social Media for Emergency Relief and Preparedness (SMERP), 23 April 2018, Lyon, France.
- [7] A. Moumtzidou, S. Andreadis, F. Markatopoulou, D. Galanopoulos, I. Gialampoukidis, S. Vrochidis, V. Mezaris, I. Kompatsiaris, I. Patras, "VERGE IN VBS 2018", Proc. 24th Int. Conf. on Multimedia Modeling (MMM2018), Bangkok, Thailand, Feb. 2018.
- [8] J. Moßgraber, D. Hilbring, H. van der Schaaf, P. Hertweck, E. Kontopoulos, P. Mitzias, A. Karakostas, S. Vrochidis, I. Kompatsiaris (2018). The Sensor to Decision Chain in Crisis Management. Int. Conf. on Information Systems for Crisis Response and Management (ISCRAM'18), accepted for publication.

- [9] M. Riga, E. Kontopoulos, K. Karatzas, S. Vrochidis and I. Kompatsiaris (2018). "An Ontology-based Decision Support Framework for Personalized Quality of Life Recommendations". In: 4th International Conference on Decision Support System Technology (ICDSST2018), 22-25 May 2018, Heraklion, Crete, Greece (accepted for publication).

2017

- [10] E. Anastasovitis, D. Ververidis, S. Nikolopoulos, I. Kompatsiaris, G. Abrams, K. D. Modica, D. Bonjean, I. D. Groote, F. Bezombes, C. Strecha, "DigiArt: Exploring the Scladina cave", EuroVR2017: European Conference for Virtual Reality, Augmented Reality and Mixed Reality", 12-14 December, 2017, Laval-France. (to appear)
- [11] E. Anastasovitis, D. Ververidis, S. Nikolopoulos and I. Kompatsiaris, "DigiArt: Building New 3D Cultural Heritage Worlds", 3D True Vision v2: Research and Applications in future 3D Media (3DTV-Con2017), 7-9 June, 2017 - Copenhagen, Denmark
- [12] S. Andreadis, I. Gialampoukidis, S. Vrochidis, I. Kompatsiaris. "A Topic Detection and Visualisation System on Social Media Posts." In International Conference on Internet Science, pp. 421-427. Springer, Cham, 2017.
- [13] S. Andreadis, I. Gialampoukidis, G. Kalpakis, T. Tsikrika, S. Papadopoulos, S. Vrochidis, I. Kompatsiaris. "A Monitoring Tool for Terrorism-related Key-players and Key-communities in Social Media Networks". In Proceedings of the 2017 IEEE European Intelligence and Security Informatics Conference (EISIC 2017), Dekelia Air Base, Athens, Greece, September 11-13, 2017.
- [14] K. Avgerinakis, P. Giannakeris, A. Briassouli, A. Karakostas, S. Vrochidis, I. Kompatsiaris, "Intelligent traffic city management from surveillance systems (CERTH-ITI)", NVIDIA AI city challenge, IEEE Smart World, Aug. 2017, USA.
- [15] K. Avgerinakis, P. Giannakeris, A. Briassouli, A. Karakostas, S. Vrochidis, I. Kompatsiaris, "LBP-flow and hybrid encoding for real-time water and fire classification", ICCV-MSF 2017, IEEE/ISPRS 4th Joint Workshop on Multi-Sensor Fusion for Dynamic Scene Understanding.
- [16] K. Avgerinakis, A. Moutzidou, S. Andreadis, E. Michail, I. Gialampoukidis, S. Vrochidis, I. Kompatsiaris, "Visual and textual analysis of social media and satellite images for flood detection", Multimedia Satellite task of MediaEval 2017.
- [17] E. Batziou, I. Gialampoukidis, S. Vrochidis, I. Antoniou, I. Kompatsiaris. "Unsupervised Keyword Extraction Using the GoW Model and Centrality Scores." In International Conference on Internet Science, pp. 344-351. Springer, Cham, 2017. **(1 citations)**
- [18] C. Boididou, S. Papadopoulos, L. Apostolidis, Y. Kompatsiaris. "Learning to Detect Misleading Content on Twitter", In Proceedings of the 2017 ACM on International Conference on Multimedia Retrieval, pp. 278-286. ACM, 2017. **(1 citations)**
- [19] E. Chatzilari, G. Liaros, K. Georgiadis, S. Nikolopoulos, Y. Kompatsiaris, "Combining the Benefits of CCA and SVMs for SSVEP-based BCIs in Real-world Conditions", MMHealth, ACM MM 2017, Mountain View, CA, USA, October 2017
- [20] I. Gialampoukidis, S. Vrochidis and I. Kompatsiaris. "Crater monitoring through social media observations", In European Planetary Science Congress 2017, Vol. 11, EPSC2017-25-1, 2017.

- [21] I. Gialampoukidis, G. Kalpakis, T. Tsirikla, S. Papadopoulos, S. Vrochidis, I. Kompatsiaris. "Detection of Terrorism-related Twitter Communities using Centrality Scores". In Proceedings of the 2nd International Workshop on Multimedia Forensics and Security, pp. 21-25. ACM, 2017.
- [22] V. Gkatziaki, S. Papadopoulos, S. Diplaris, I. Kompatsiaris. "Large-Scale Open Corporate Data Collection and Analysis as an Enabler of Corporate Social Responsibility Research", In: Kompatsiaris I. et al. (eds) Internet Science. INSCI 2017. Lecture Notes in Computer Science, vol 10673, pp. 266-280, Springer, Cham, https://doi.org/10.1007/978-3-319-70284-1_21
- [23] F. Kalaganis, E. Chatzilari, S. Nikolopoulos, N. A. Laskaris, Y. Kompatsiaris, "A Collaborative Representation Approach to Detecting Error-Related Potentials in SSVEP-BCIs", Proc. ACM Multimedia 2017, Mountain View, CA, USA, October 2017.
- [24] F. Kalaganis, E. Chatzilari, K. Georgiadis, S. Nikolopoulos, N. Laskaris and Y. Kompatsiaris, An Error Aware SSVEP-based BCI, 30th IEEE International Symposium on Computer-based Medical Systems, Special Track on Multimodal Interfaces for Natural Human Computer Interaction: Theory and Applications, IEEE CBMS 2017, June 22-24, 2017 Thessaloniki – Greece
- [25] A. Karakostas, D. Ververidis, S. Nikolopoulos and I. Kompatsiaris, "SpAtiAL: A Sensor based Framework to Support Affective Learning", in Proceedings of the 3D True Vision: Research and Applications in Future 3D media, 3DTV-CON 2017, Copenhagen, Denmark, 2017
- [26] Karakostas, A., Palaigeorgiou, G., & Kompatsiaris, Y. (2017, November). WeMake: A Framework for Letting Students Create Tangible, Embedded and Embodied Environments for Their Own STEAM Learning. In International Conference on Internet Science (pp. 3-18). Springer, Cham. Chicago
- [27] Kontopoulos, E., Mitzias, P., Riga, M., Kompatsiaris, I. (2017). A Domain-Agnostic Tool for Scalable Ontology Population and Enrichment from Diverse Linked Data Sources. In: Kalinichenko, L.A., Manolopoulos, Y., Skvortsov, N.A., and Sukhomlin, V.A. (eds.) Data Analytics and Management in Data Intensive Domains: Collection of Scientific Papers of the XIX International Conference DAMDID / RCDL'2017. pp. 234–240. Moscow: FRC CSC RAS, Moscow, Russia.
- [28] G. Kordopatis-Zilos, S. Papadopoulos, I. Patras, I. Kompatsiaris, "Near-Duplicate Video Retrieval by Aggregating Intermediate CNN Layers", Proc. 23rd Int. Conf. on MultiMedia Modeling (MMM'17), Reykjavik, Iceland, 4-6 January, 2017. **(3 citations)**
- [29] E. Krasanakis, E. Spyromitros-Xioufis, S. Papadopoulos, Y. Kompatsiaris, "Tunable Plug-In Rules with Reduced Posterior Certainty Loss in Imbalanced Datasets", Proc. 1st International Workshop on Learning with Imbalanced Domains: Theory and Applications (Co-located with ECML/PKDD 2017), Skopje, 22 Sep. 2017.
- [30] F. Markatopoulou, A. Moumtzidou, D. Galanopoulos, K. Avgerinakis, S. Andreadis, I. Gialampoukidis, S. Tachos, S. Vrochidis, V. Mezaris, I. Kompatsiaris, I. Patras, "ITI-CERTH participation in TRECVID 2017", Proc. TRECVID 2017 Workshop, Gaithersburg, MD, USA, Nov. 2017.
- [31] A. Maronidis, V. Oikonomou, S. Nikolopoulos and Y. Kompatsiaris, "Steady State Visual Evoked Potential Detection Using Subclass Marginal Fisher Analysis", Proceedings of the 8th International IEEE EMBS Conference on Neural Engineering, May 25-28, 2017, Shanghai China. **(1 citations)**

- [32] Th. Mavropoulos, D. Liparas, S. Symeonidis, S. Vrochidis and I. Kompatsiaris, "A Hybrid Approach for Biomedical Relation Extraction Using Finite State Automata and Random Forest-Weighted Fusion", Proceedings of the 18th International Conference on Computational Linguistics and Intelligent Text Processing (CICLing 2017), April 17-23, 2017, Budapest, Hungary
- [33] G. Meditskos, S. Vrochidis, I. Kompatsiaris, "Description Logics and Rules for Multimodal Situational Awareness in Healthcare", Special session on Multimedia and Multimodal Interaction for Health and Basic Care Applications at MMM 2017, pp. 714-725, Springer, 2017
- [34] A. Moumtzidou, T. Mironidis, F. Markatopoulou, S. Andreadis, I. Gialampoukidis, D. Galanopoulos, A. Ioannidou, S. Vrochidis, V. Mezaris, I. Kompatsiaris, I. Patras, "VERGE IN VBS 2017", Proc. Video Browser Showdown (VBS'17) at the 23rd Int. Conf. on MultiMedia Modeling (MMM'17), Reykjavik, Iceland, 4 January 2017.
- [35] V. Oikonomou, K. Georgiadis, G. Liaros, S. Nikolopoulos and Y. Kompatsiaris, A comparison study on EEG signal processing techniques using motor imagery EEG data, 30th IEEE International Symposium on Computer-based Medical Systems, Special Track on Multimodal Interfaces for Natural Human Computer Interaction: Theory and Applications, IEEE CBMS 2017, June 22-24, 2017 Thessaloniki – Greece
- [36] V. Oikonomou, G. Liaros, S. Nikolopoulos and I. Kompatsiaris, Sparse Bayesian Learning for Multiclass Classification with application to SSVEP- BCI, 7th Graz Brain-Computer Interface Conference, September 18th – 22nd, 2017, Graz, Austria
- [37] V. Oikonomou, A. Maronidis, G. Liaros, S. Nikolopoulos and Y. Kompatsiaris, "Sparse Bayesian Learning for Subject Independent Classification with Application to SSVEP-BCI", Proceedings of the 8th International IEEE EMBS Conference on Neural Engineering, May 25-28, 2017, Shanghai China
- [38] O. Papadopoulou, M. Zampoglou, S. Papadopoulos, Y. Kompatsiaris, "Web Video Verification using Contextual Cues", In Proceedings of International Workshop on Multimedia Forensics and Security (MFSec 2017), Bucharest, Romania, June 06, 2017
- [39] T.G. Stavropoulos, E. Kontopoulos, A. M. Peñuela, S. Tachos, S. Andreadis, I. Kompatsiaris, Cross-domain Semantic Drift Measurement in Ontologies Using the SemaDrift Tool and Metrics, in MEPDaW 2017: 3rd Workshop on Managing the Evolution and Preservation of the Data Web in conjunction with ESWC 2017, Portoroz, Slovenia
- [40] G. Vingione, L. Marzell, E. Cadau., I. Gialampoukidis, S. Vrochidis, I. Kompatsiaris, B. Valentin, M. Melcort, L. Gale, W.-K. Lee, S. Woo, M. Gienger, D. Hoppe, C. Kontoes, I. Papoutsis, M. Ferri, F. Baruffi, J. Yoon, H. Yoon, A. Karppinen, A.-M. Harri. "The H2020-EO EOPEN project". ESA Conference on Big Data from Space 2017, 28-30 November 2017, Toulouse, France.
- [41] M. Vogiatzi, Ch. Keratidis, M. Schinas, S. Diplaris, S. Yümlü, P. Forbes, S. Papadopoulos, P. Syropoulou, L. Apostolidis, I. Kompatsiaris, M. Symeonidou. "The STEP Project: Societal and Political Engagement of Young People in Environmental Issues", In: Kompatsiaris I. et al. (eds) Internet Science. INSCI 2017. Lecture Notes in Computer Science, vol 10673, pp 148-156, Springer, Cham, https://doi.org/10.1007/978-3-319-70284-1_12
- [42] Markos Zampoglou, Symeon Papadopoulos, Yiannis Kompatsiaris and Jochen Spangenberg, "A web-based service for disturbing image detection.". Proc. 23rd Int. Conf. on MultiMedia Modeling (MMM'17), Reykjavik, Iceland, 4-6 January, 2017.

2016

- [43] S. Andreadis, T. G. Stavropoulos, G. Meditskos and I. Kompatsiaris, "Dem@ Home: Ambient Intelligence for Clinical Support of People Living with Dementia", Proc. 1st Workshop on Semantic Web Technologies in Pervasive and Mobile Environments (SEMPER2016), at the Extended Semantic Web Conference (ESWC2016), 29th May 2016, Heraklion, Greece.
- [44] Boididou, C., Middleton, S.E., Papadopoulos, S., Dang-Nguyen, D.T., Riegler, M., Boato, G., Petlund, A., Kompatsiaris, Y., "Verifying Multimedia Use at MediaEval 2016", MediaEval 2016 workshop, Hilversum, Netherlands, October 2016.
- [45] Boididou, C. Papadopoulos, S. Middleton, S.E. Nguyen, D.T.D. Riegler, M. Petlund, A. Kompatsiaris, Y. "The VMU Participation @ Verifying Multimedia Use 2016", MediaEval 2016 workshop, Hilversum, Netherlands, October 2016. **(1 citations)**
- [46] E. Chatzilari, S. Nikolopoulos, Y. Kompatsiaris and J. Kittler, "SALIC: Social Active Learning for Image Classification", in IEEE Transactions on Multimedia, vol. 18, no. 8, pp. 1488-1503, August 2016
- [47] C. Doulaverakis, V. Koutkias, G. Antoniou, I. Kompatsiaris, "Applying SPARQL-Based Inference and Ontologies for Modelling and Execution of Clinical Practice Guidelines: A Case Study on Hypertension Management", 8th International Workshop on Knowledge Representation for Health Care 2016, (KR4HC 2016), Munich, Germany, September 2, 2016. **(1 citation)**
- [48] I. Gialampoukidis, D. Liparas, S. Vrochidis, I. Kompatsiaris, "Query-based Topic Detection Using Concepts and Named Entities", 1st International Workshop on Multimodal Media Data Analytics (MMDA 2016), The Hague, Netherlands, August 30, 2016.
- [49] I. Gialampoukidis, G. Kalpakis, T. Tsikrika, S. Vrochidis, I. Kompatsiaris, "Key player identification in terrorism-related social media networks using centrality measures". In Intelligence and Security Informatics Conference (EISIC), 2016 European, pp. 112-115. IEEE, 2016. **(1 citations)**
- [50] I. Gialampoukidis, S. Vrochidis, I. Kompatsiaris, "A Hybrid framework for news clustering based on the DBSCAN-Martingale and LDA." Machine Learning and Data Mining in Pattern Recognition, pp. 170-184, Springer International Publishing, 2016. **(3 citations)**
- [51] I. Gialampoukidis, S. Vrochidis, I. Kompatsiaris. "Fast Visual Vocabulary Construction for Image Retrieval using Skewed-Split k-d trees", In International Conference on Multimedia Modeling, pp. 466-477. Springer International Publishing, 2016.
- [52] I. Gialampoukidis, A. Moutzidou, D. Liparas, S. Vrochidis, I. Kompatsiaris, "A hybrid graph-based and non-linear late fusion approach for multimedia retrieval". In Content-Based Multimedia Indexing (CBMI), 2016 14th International Workshop on, pp. 1-6, IEEE, 2016. **(2 citations)**
- [53] I. Gialampoukidis, A. Moutzidou, T. Tsikrika, S. Vrochidis and I. Kompatsiaris, "Retrieval of Multimedia objects by Fusing Multiple Modalities", In Proceedings of the 2016 ACM on International Conference on Multimedia Retrieval, pp. 359-362, ACM. **(1 citations)**
- [54] I. Gialampoukidis, S. Vrochidis, I. Kompatsiaris, "Incremental estimation of visual vocabulary size for image retrieval". In INNS Conference on Big Data, pp. 29-38. Springer International Publishing, 2016.
- [55] I. Gialampoukidis, T. Tsikrika, S. Vrochidis, I. Kompatsiaris, "Community Detection in Complex Networks Based on DBSCAN* and a Martingale Process". Semantic and Social Media Adaptation and Personalization (SMAP), 2016 11th International Workshop on, pp. 1-6. IEEE, 2016. **(2 citations)**
- [56] Hopper, L., Karakostas, A., König, A., Sävenstedt, S., & Kompatsiaris, I. (2016). The Personal and Societal Impact of the Dementia Ambient Care (Dem@Care) Multi-sensor Remote Monitoring Dementia Care System. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 12(7), P149.

- [57] C. Iliou, G. Kalpakis, T. Tsikrika, S. Vrochidis, I. Kompatsiaris, "Hybrid Focused Crawling for Homemade Explosives Discovery on Surface and Dark Web", 11th International Conference on Availability, Reliability and Security (ARES 2016), Salzburg, Austria, Aug 2016 (1 citations)
- [58] G. Kalpakis, T. Tsikrika, C. Iliou, T. Mironidis, S. Vrochidis, J. Middleton, U. Williamson, I. Kompatsiaris, "Interactive Discovery and Retrieval of Web Resources Containing Home Made Explosive Recipes", 4th International Conference on Human Aspects of Information Security, Privacy and Trust, Toronto, Canada, 17 - 22 July 2016.
- [59] S. Karavarsamis, D. Ververidis, G. Chantas, S. Nikolopoulos, Y. Kompatsiaris, "Classifying Salsa dance steps from skeletal poses", Proceedings of the 14th International Workshop on Content-Based Multimedia Indexing (CBMI'16), Bucharest, Romania, 15-17 June, 2016 (2 citations)
- [60] A. Katmada, A. Satsiou, I. Kompatsiaris. "Incentive Mechanisms for Crowdsourcing Platforms", 3rd International Conference on Internet Science, LNCS Springer International Publisher, 2016. (3 citations)
- [61] Katmada, A., Satsiou, A., Kompatsiaris, I. (2016), "A Reputation-based Incentive Mechanism for a Crowdsourcing Platform for Financial Awareness", to appear in Proc. of the 1st International Workshop on the Internet for Financial Awareness and Intelligence, LNCS Springer International Publisher.
- [62] E. Kontopoulos, M. Riga, P. Mitzias, S. Andreadis, T. G. Stavropoulos, N. Lagos, J.Y. Vion-Dury, G. Meditskos, P. Falcão, P. Laurenson and I. Kompatsiaris, "Ontology-based Representation of Context of Use in Digital Preservation", Proc 1st Workshop on Humanities in the Semantic Web (WHiSe) at the Extended Semantic Web Conference (ESWC2016), 29th May 2016, Heraklion, Greece
- [63] E. Kontopoulos, T. Moysiadis, M. Tsagiopoulou, S. Darányi, P. Wittek, N. Papakonstantinou, S. Ntoufa, G. Meditskos, K. Stamatopoulos, I. Kompatsiaris, Studying the Cohesion Evolution of Genes Related to Chronic Lymphocytic Leukemia Using Semantic Similarity in Gene Ontology and Self-Organizing Maps, 9th Int. Conf. on Semantic Web Applications and Tools for Life Sciences - SWAT4LS (to appear), Amsterdam, The Netherlands, 2016
- [64] G. Kordopatis-Zilos, A. Popescu, S. Papadopoulos, Y. Kompatsiaris: "CERTH/CEA LIST @ MediaEval Placing Task 2016", MediaEval, 2016.
- [65] Kordopatis-Zilos, G., Popescu, A., Papadopoulos, S. Kompatsiaris, Y., "Placing Images with Refined Language Models and Similarity Search with PCA-reduced VGG Features", MediaEval 2016 workshop, Hilversum, Netherlands, October 2016.
- [66] Kordopatis-Zilos, G., Papadopoulos, S., Kompatsiaris, Y., "In-depth Exploration of Geotagging Performance using Sampling Strategies on YFCC100M", Proceedings of the 2016 ACM Workshop on Multimedia COMMONS, pp. 3-10, ACM, New York, NY.
- [67] I. Lazarou, T. G. Stavropoulos, A. Karakostas, G. Meditskos, T. Tsompanidis, I. Kompatsiaris, M. Tsolaki, "Assisted Living Technology for People with Cognitive Impairment in a Smart Home Environment: The Dem@care System", 14th International Athens/Springfield Symposium on Advances in Alzheimer Therapy (AAT) 2016, 9-12 March, Athens, Greece
- [68] I. Lazarou, A. Karakostas, T. G. Stavropoulos, G. Meditskos, T. Tsompanidis, I. Kompatsiaris, M. Tsolaki, "Automated Assessment of Cognitive Impairment by Using a Sensor-based Method: The Dem@Care System", 14th International Athens/Springfield Symposium on Advances in Alzheimer Therapy (AAT) 2016, 9-12 March, Athens, Greece.
- [69] F. Markatopoulou, A. Moumtzidou, D. Galanopoulos, T. Mironidis, V. Kaltsa, A. Ioannidou, S. Symeonidis, K. Avgerinakis, S. Andreadis, I. Gialampoukidis, S. Vrochidis, A. Briassouli, V. Mezaris, I. Kompatsiaris, I. Patras, "ITI-CERTH participation in TRECVID 2016", Proc. TRECVID 2016 Workshop, Gaithersburg, MD, USA, Nov. 2016.
- [70] G. Meditskos, E. Kontopoulos, S. Vrochidis, I. Kompatsiaris, "Ontology-Driven Context Interpretation and Conflict Resolution in Dialogue-Based Home Care Assistance", 9th Int. Conf. on Semantic Web Applications and Tools for Life Sciences - SWAT4LS (to appear), Amsterdam, The Netherlands, 2016

- [71] G. Meditskos, S. Dasiopoulou, Louisa Pragst, S. Ultes, S. Vrochidis, I. Kompatsiaris, L. Wanner, "Towards an Ontology-driven Adaptive Dialogue Framework", 1st International Workshop on Multimedia Analysis and Retrieval for Multimodal Interaction (MARMI 2016), New York, USA, June 6, 2016.
- [72] G. Meditskos, S. Dasiopoulou, S. Vrochidis, L. Wanner, I. Kompatsiaris, "Question Answering over Pattern-Based User Models", In Proceedings of the 12th International Conference on Semantic Systems (SEMANTiCS 2016), pp. 153-160. ACM, New York, NY, USA, 2016 DOI: <http://dx.doi.org/10.1145/2993318.2993331>.
- [73] Mitziias, P., Riga, M., Kontopoulos, E., Stavropoulos, T. G., Andreadis, S., Meditskos, G., & Kompatsiaris, I. (2016, September). User-Driven Ontology Population from Linked Data Sources. In International Conference on Knowledge Engineering and the Semantic Web (pp. 31-41). Springer International Publishing. **(1 citations)**
- [74] A. Moumtzidou, T. Mironidis, E. Apostolidis, F. Markatopoulou, A. Ioannidou, I. Gialampoukidis, K. Avgerinakis, S. Vrochidis, V. Mezaris, I. Kompatsiaris, I. Patras, "VERGE: A Multimodal Interactive Search Engine for Video Browsing and Retrieval", Proc. Video Browser Showdown (VBS'16) at the 22nd Int. Conf. on MultiMedia Modeling (MMM'16), Miami, USA, 4 January 2016. **(1 citations)**
- [75] A. Moumtzidou, S. Papadopoulos, S. Vrochidis I. Kompatsiaris, K. Kourtidis, G. Hloupis, I. Stavrakas, K. Papachristopoulou, C. Keratidis, "Collection of Multimodal Environmental Data for Air Quality Estimation", Proc. of 1st International Workshop on the Social Web for Environmental and Ecological Monitoring (SWEEM), Cologne, Germany, 17 May 2016.
- [76] A. Moumtzidou, S. Papadopoulos, S. Vrochidis, I. Kompatsiaris, K. Kourtidis, G. Hloupis, I. Stavrakas, K. Papachristopoulou, and C. Keratidis, "Towards Air Quality Estimation Using Collected Multimodal Environmental Data", 1st International Workshop on Internet and Social media for Environmental Monitoring (In conjunction with the 3rd international conference on Internet Science (INSCI 2016)), Florence, Italy, 12 September 2016. **(1 citation)**
- [77] A. Moumtzidou, I. Gialampoukidis, T. Mironidis, D. Liparas, S. Vrochidis, I. Kompatsiaris, "A Multimedia Interactive Search Engine based on Graph-based and Non-linear Multimodal Fusion", In Content-Based Multimedia Indexing (CBMI), 2016 14th International Workshop on, IEEE, 2016.
- [78] S. Papadopoulos, G. Petkos, E. Spyromitros-Xioufis, Y. Kompatsiaris: "A Disclosure Scoring Framework for Personal Data". Conference/Exhibition (Poster), European Data Forum, 2016.
- [79] Georgios Rizos, Symeon Papadopoulos, and Yiannis Kompatsiaris, "Predicting News Popularity by Mining Online Discussions".. In Proceedings of the 25th International Conference Companion on World Wide Web (WWW '16 Companion). 2016. International World Wide Web Conferences Steering Committee, Republic and Canton of Geneva, Switzerland, 737-742. **(2 citations)**
- [80] Satsiou, A., Revenko, A., Praggidis, I., Karapistoli, E., Panos, G., Bouzanis, C., & Kompatsiaris, I. (2016). "Semantic Technology for Financial Awareness", in Proc. of the 12th International Conference on Semantic Systems, Leipzig, September 2016.
- [81] B. Simeonov, V. Alexiev, D. Liparas, M. Puigbo, S. Vrochidis, E. Jamin and I. Kompatsiaris, "Semantic integration of web data for international investment decision support", 3rd international conference on Internet Science, Florence, Italy, Sept. 12-14 2016
- [82] E. Spyromitros-Xioufis, S. Papadopoulos, A. Popescu, Y. Kompatsiaris, "Personalized Privacy-aware Image Classification", Proc. International Conference on Multimedia Retrieval (ICMR), New York, USA, June 6-9, 2016. **(3 citations)**
- [83] E. Spyromitros-Xioufis, G. Petkos, S. Papadopoulos, R. Heyman, Y. Kompatsiaris, "Perceived versus Actual Predictability of Personal Information in Social Networks", Proc. 3rd International Conference on Internet Science (INSCI 2016), Florence, Italy, September 12-14, 2016.
- [84] T. G. Stavropoulos, G. Meditskos, S. Andreadis, T. Tsompanidis, I. Kompatsiaris, "Dem@Lab: Ambient Assisted Living Framework for the Assessment of Dementia in Clinical Trials" in Workshop on Artificial Intelligence and Internet of Things (AI-IoT), co-

located with the 9th Hellenic Conference on Artificial Intelligence (SETN2016), Thessaloniki, Greece

- [85] Stavropoulos, T.G., Andreadis, S., Riga, M., Kontopoulos, E., Mitzias, P., Kompatsiaris, I.: A Framework for Measuring Semantic Drift in Ontologies. In: 1st Int. Workshop on Semantic Change & Evolving Semantics (SuCESS'16). CEUR Workshop Proceedings, Leipzig, Germany (2016). **(1 citations)**
- [86] T. G. Stavropoulos, G. Meditskos, T. Tsompanidis, S. Andreadis and I. Kompatsiaris, "Dem@Home: Ambient Monitoring and Clinical Support for People Living with Dementia", the 13th Extended Semantic Web Conference (ESWC) 2016, Poster & Demo Track, 29 May 2016, Heraklion, Greece
- [87] T. G. Stavropoulos, S. Andreadis, E. Kontopoulos, M. Riga, P. Mitzias, I. Kompatsiaris, "SemaDrift: A Protégé Plugin for Measuring Semantic Drift in Ontologies", 1st International Workshop on Detection, Representation and Management of Concept Drift in Linked Open Data (Drift-a-LOD) in conjunction with the 20th International Conference on Knowledge Engineering and Knowledge Management (EKAW) 2016, Bologna, Italy, 19-23 November 2016.
- [88] T. G. Stavropoulos, G. Meditskos, A. Briassouli, I. Kompatsiaris, "Multimodal Sensing and Intelligent Fusion for Remote Dementia Care and Support", 1st International Workshop on Multimedia for Personal Health and Healthcare (MMHealth) 2016, co-located with ACM Multimedia 2016, Amsterdam, The Netherlands, 16 October, 2016
- [89] D. Ververidis, S. Karavarsamis, S. Nikolopoulos, and I. Kompatsiaris, "Pottery gestures style comparison by exploiting Myo sensor and forearm anatomy," in Proc. ACM International Symposium on Movement and Computing (MOCO), Thessaloniki, 2016.
- [90] L. Wanner, J. Blat, S. Dasiopoulou, M. Domínguez, G. Llorach, S. Mille, F. Sukno, E. Kamateri, S. Vrochidis, I. Kompatsiaris, E. André, F. Lingenfelter, G. Mehlmann, A. Stam, L. Stellingwerff, B. Vieru, L. Lamel, W. Minker, L. Pragst, Stefan Ultes, "Towards a Multimedia Knowledge-Based Agent with Social Competence and Human Interaction Capabilities", 1st International Workshop on Multimedia Analysis and Retrieval for Multimodal Interaction (MARMI 2016), New York, USA, June 6, 2016.
- [91] M. Zampoglou, S. Papadopoulos, Y. Kompatsiaris, R. Bouwmeester, J. Spangenberg, "Image Forensics on the Web and Social Media for News Professionals". In Proceedings of SMNews at ICWSM 2016. **(1 citations)**

2015

- [92] Π. Μπαλιάκας, Ε. Χατζηλάρη, Α. Ξωχέλλη, Α. Μαρωνίδης, Α. Βαρδή, Μ. Mattsson, K. Larsson, Β. Δούκα, Μ. Ισκάς, Γ. Καραβαλάκης, Α. Παπαλεξανδρή, C. Niemann, M. Montillo, Α. Αναγνωστόπουλος, D. Oscier, S. Pospisilova, F. Davi, Ν. Σταυρογιάννη, P. Ghia, Α. Χατζηδημητρίου, R. Rosenquist, Σ. Νικολόπουλος, Γ. Κομπατσιάρης, Κ. Σταματούπουλος, " Προγνωστικά συστήματα στη ΧΑΛ: στατιστική σημαντικότητα = προβλεπτική ακρίβεια?", 26ο Πανελλήνιο Αιματολογικό Συνέδριο, Αθήνα, 12-14 Νοεμβρίου 2015
- [93] Andreadou, K., Papadopoulos, S., Apostolidis, L., Krithara, A., & Kompatsiaris, Y. (2015). Media REVEALr: A Social Multimedia Monitoring and Intelligence System for Web Multimedia Verification. In Intelligence and Security Informatics (pp. 1-20). Springer International Publishing. **(1 citations)**
- [94] K. Andreadou, S. Papadopoulos, Y. Kompatsiaris, "Web image size prediction for efficient focused image crawling". In Proceedings of CBMI 2015.
- [95] K. Avgerinakis, K. Adam, A. Briassouli, Y. Kompatsiaris, "Moving camera human activity localization and recognition with motionplanes and multiple homographies", IEEE International Conference on Image Processing (ICIP), to appear, Quebec city, Canada, Sep. 2015. **(3 citations)**

- [96] C. Boididou, S. Papadopoulos, D.-T. Dang-Nguyen, G. Boato, Y. Kompatsiaris, "The CERTH-UNITN Participation @ Verifying Multimedia Use 2015". In Proceedings of MediaEval 2015. **(1 citation)**
- [97] C. Boididou, K. Andreadou, S. Papadopoulos, D.-T. Dang-Nguyen, G. Boato, M. Riegler, Y. Kompatsiaris, "Verifying Multimedia Use at MediaEval 2015". In Proceedings of MediaEval 2015. **(8 citations)**
- [98] E. Chatzilari, P. Baliakas, A. Xochelli, A. Maronidis, A. Vardi, M., Mattsson, K. Larsson, V. Douka, M. Iskas, G. Karavalakis, A. Papalexandri, C. Niemann, M. Montillo, A. Anagnostopoulos, D. Oscier, S. Pospisilova, F. Davi, N. Stavroyianni, P. Ghia, A. Hadzidimitriou, R. Rosenquist, S. Nikolopoulos, K. Stamatopoulos and Y. Kompatsiaris, "Personalized Modeling of Disease Evolution in CLL: Does Statistical Significance Translate into Predictive Accuracy?", American Society of Hematology (ASH) 2015, poster presentation.
- [99] C. Doulaverakis, S. Vrochidis, I. Kompatsiaris, "Exploiting visual similarities for ontology alignment", 7th International Conference on Knowledge Engineering and Ontology Development (KEOD 2015), Lisbon, Portugal, 12-14 November, 2015.
- [100] I. Gialampoukidis, S. Vrochidis, and I. Kompatsiaris. "Fast Visual Vocabulary Construction for Image Retrieval using Skewed-Split k-d trees". Proc. 22nd Int. Conf. on MultiMedia Modeling (MMM16), Miami,USA, Jan. 2016 .
- [101] Y. Hacohen-Kerner, A. Sabag, D. Liparas, A. Moutzidou, S. Vrochidis and I. Kompatsiaris, "Classification using various ML Methods and Combinations of Key-Phrases and Visual Features", 1st KEYSTONE Conference (IKC2015), Coimbra, Portugal, September 8-9, 2015.
- [102] K. Iliakopoulou, S. Papadopoulos, Y. Kompatsiaris, "News-oriented multimedia search over multiple social networks". In Proceedings of CBMI 2015.
- [103] G. Kalpakis, T. Tsikrika, F. Markatopoulou, N. Pittaras, S. Vrochidis, V. Mezaris, I. Patras, and I. Kompatsiaris. "Concept Detection on Multimedia Web Resources about Home Made Explosives". In Proceedings of the International Workshop on Multimedia Forensics and Security (MFSec 2015), to be held in conjunction with the 10th International Conference on Availability, Reliability and Security, Toulouse, France, 2015.
- [104] A. Karakostas, I. Lazarou, G. Meditskos, T. G. Stavropoulos, I. Kompatsiaris, M. Tsolaki "Supporting Cognitive Skills of People Suffering from Dementia through a Sensor-based System" Federation of European Neuroscience Societies FENS Featured Regional Meeting 2015
- [105] A. Karakostas, I. Lazarou, G. Meditskos, T. G. Stavropoulos, I. Kompatsiaris, M. Tsolaki "Sensor-based In-home Monitoring of People with Dementia Using Remote Web Technologies". IMCL2015 International Conference on Interactive Mobile Communication, Technologies and Learning, IEEE. **(1 citation)**
- [106] A. Karakostas, I. Lazarou, G. Meditskos, T. G. Stavropoulos, I. Kompatsiaris, M. Tsolaki "Intelligent User Interfaces to Support Diagnosis and Assessment of People with Dementia: an Expert Evaluation". 5th EAI International Symposium on Pervasive Computing Paradigms for Mental Health, Mindcare 2015, Springer
- [107] A. Karakostas, G. Meditskos, T. G. Stavropoulos, I. Kompatsiaris, M. Tsolaki, "A Sensor-Based Framework to Support Clinicians in Dementia Assessment: The Results of a Pilot Study", Ambient Intelligence-Software and Applications (pp. 213-221). Salamanca, Spain. Springer International Publishing, 2015. **(3 citations)**
- [108] A. Karakostas, I. Lazarou, G. Meditskos, T. G. Stavropoulos, I. Kompatsiaris, M. Tsolaki "Presentation of lab and home pilot testing and results of the Dem@Care system". 9th Panhellenic Interdisciplinary Conference on Alzheimer's Disease & Related Disorders & 1st Mediterranean on Neuro-degenerative Diseases
- [109] A. Karakostas, G. Meditskos, T. G. Stavropoulos, I. Kompatsiaris, M. Tsolaki, "A Sensor-Based System to Support Diagnosis and Assessment of Dementia", 12th International Conference on Alzheimer's and Parkinson's Diseases and Related Neurological Disorders (AD/PDTM 2015)

- [110] A. Karakostas, I. Lazarou, G. Meditskos, T. G. Stavropoulos, I. Kompatsiaris, M. Tsolaki "Supporting Cognitive Skills of People Suffering from Dementia through a Sensor-Based System". Advanced Learning Technologies (ICALT), 2015 IEEE 15th International Conference on (pp. 460-461). IEEE.
- [111] G. Kordopatis-Zilos, S. Papadopoulos, Y. Kompatsiaris, "Geotagging Social Media Content with a Refined Language Modelling Approach". In Proceedings of PA-KDD workshop PAISI 2015. **(2 citations)**
- [112] G. Kordopatis-Zilos, A. Popescu, S. Papadopoulos, Y. Kompatsiaris, "CERTH/CEA LIST at MediaEval Placing Task 2015". In Proceedings of MediaEval 2015. **(1 citations)**
- [113] V. Kosmidou, A. Adam, C. Papadaniil, M. Tsolaki, L. Hadjileontiadis, I. Kompatsiaris, Gender Effect in Human Brain Responses to Bottom-up and Top-down Attention using the EEG 3D-Vector Field Tomography, IEEE Medicine and Biology Society, 37th International Conference on, Milan, Italy, Aug. 2015. **(1 citations)**
- [114] V. Kosmidou, A. Tsolaki, I. Kompatsiaris, M. Tsolaki, Event-Related Brain Activation In Alzheimer's Disease, The 2015 Alzheimer's Disease Congress, June 2015
- [115] A. König, A. Karakostas, I. Lazarou, I. Kompatsiaris, P. Robert, "The use of ICT for the assessment of people with dementia and mild cognitive impairment within the Dem@care project" 25th Alzheimer Europe Conference, 1-4 Sept 2015, Ljubljana, Slovenia.
- [116] F. Markatopoulou, A. Ioannidou, C. Tzelepis, T. Mironidis, D. Galanopoulos, S. Arestis-Chartampilas, N. Pittaras, K. Avgerinakis, N. Gkalelis, A. Moumtzidou, S. Vrochidis, V. Mezaris, I. Kompatsiaris, I. Patras, "ITI-CERTH participation to TRECVID 2015", Proc. TRECVID 2015 Workshop, Gaithersburg, MD, USA, Nov. 2015.
- [117] A. Maronidis, E. Chatzilari, S. Nikolopoulos, I. Kompatsiaris, Scalable Image Annotation Using a Product Compressive Sampling Approach, IEEE DSAA 2015, Paris, 19-21 October 2015. **(1 citations)**
- [118] G. Meditskos, T. G. Stavropoulos, S. Andreadis, I. Kompatsiaris, "KnowSense: A Semantically-enabled Pervasive Framework to Assist Clinical Autonomy Assessment", Semantic Web Applications and Tools for Life Sciences, December 7-10, Cambridge, England, 2015.
- [119] G. Meditskos, E. Kontopoulos, I. Kompatsiaris, "ReDef: Context-aware Recognition of Interleaved Activities using OWL 2 and Defeasible Reasoning", SSN-TC-2015, First Joint International Workshop on Semantic Sensor Networks and Terra Cognita (ISWC2015), 2015. **(3 citations)**
- [120] P. Mitziias, M. Riga, S. Waddington, E. Kontopoulos, G. Meditskos, P. Laurenson, I. Kompatsiaris. An Ontology Design Pattern for Digital Video. Workshop on Ontology and Semantic Web Patterns (WOP2015) in conjunction with the 14th International Semantic Web Conference (ISWC'15), to appear, Bethlehem, Pennsylvania, USA, October 11-15, 2015.
- [121] A. Moumtzidou, K. Avgerinakis, E. Apostolidis, F. Markatopoulou, K. Apostolidis, T. Mironidis, S. Vrochidis, V. Mezaris, Y. Kompatsiaris, I. Patras, "VERGE: A Multimodal Interactive Video Search Engine", Proc. 21st Int. Conf. on MultiMedia Modeling (MMM'15), Sydney, Australia, Jan. 2015 **(2 citations)**
- [122] C. Papadaniil, V. Kosmidou, A. Tsolaki, L. Hadjileontiadis, M. Tsolaki, I. Kompatsiaris, Phase-Amplitude Cross-Frequency Coupling in EEG-derived Cortical Time Series upon an Auditory Perception Task, IEEE Medicine and Biology Society, 37th International Conference on, to appear, Milan, Italy, Aug. 2015
- [123] C. Papadaniil, V. Kosmidou, A. Tsolaki, L. Hadjileontiadis, M. Tsolaki, I. Kompatsiaris, Phase-Amplitude coupling upon auditory stimuli and task relevant differentiations, In Federation of European Neuroscience Societies Regional Meeting, Berlin, Germany, 20-23 Oct. 2015.
- [124] G. Petkos, S. Papadopoulos, Y. Kompatsiaris. "Social Circle Discovery in Ego-Networks by Mining the Latent Structure of User Connections and Profile Attributes". ASONAM 2015. **(2 citations)**

- [125] G. Petkos, S. Papadopoulos, Y. Kompatsiaris. "PScore: a framework for enhancing privacy awareness in online social networks". MFSec 2015. **(3 citations)**
- [126] A. Popescu, E. Spyromitros-Xioufis, S. Papadopoulos, H. Le Borgne, I. Kompatsiaris. "Toward an Automatic Evaluation of Retrieval Performance with Large Scale Image Collections", Proc. 2015 Workshop on Community-Organized Multimodal Mining: Opportunities for Novel Solutions (MMCommons '15), Brisbane, Australia, October 26-30, 2015. **(4 citations)**
- [127] A. Popescu, M. Hildebrandt, S. Papadopoulos, G. Petkos, Y. Kompatsiaris, L. Claeys, T. Szymoens, D. Lund, T. Michalareas, T. Kastrinogiannis, E. de Vries, N. van Dijk, J. Pierson, A.M. Padyab, E. Gadeski, H. Le Borgne, "User Empowerment for Enhanced Online Presence Management – Use Cases and Tools", Amsterdam Privacy Conference 2015, pages 23-26, 8 October 2015, Amsterdam
- [128] S. Poularakis, K. Avgerinakis, A. Briassouli, Y. Kompatsiaris, "Computationally efficient recognition of activities of daily living", IEEE International Conference on Image Processing (ICIP), to appear, Quebec city, Canada, Sep. 2015. **(1 citations)**
- [129] G. Rizos, S. Papadopoulos, Y. Kompatsiaris. "Learning to Classify Users in Online Interaction Networks". ICCSS, 2015
- [130] Schinas, M., Papadopoulos, S., Petkos, G., Kompatsiaris, Y., & Mitkas, P. A. (2015, Oct). Multimodal Graph-based Event Detection and Summarization in Social Media Streams. In Proceedings of the 23rd Annual ACM Conference on Multimedia Conference (pp. 189-192). ACM. **(2 citations)**
- [131] E. Schinas, S. Papadopoulos, Y. Kompatsiaris, P. Mitkas, "Visual Event Summarization on Social Media using Topic Modelling and Graph-based Ranking Algorithms". In Proceedings of ICMR 2015. **(8 citations)**
- [132] M. Schinas, S. Papadopoulos, G. Petkos, I. Kompatsiaris, P. A. Mitkas, "Multimodal Event Detection and Summarization in Large Scale Image Collections", Proc. International Conference on Multimedia Retrieval (ICMR), Shanghai, China, June 23-26, 2015.
- [133] E. Spyromitros-Xioufis, A. Popescu, S. Papadopoulos, I. Kompatsiaris, "USEMP: Finding Diverse Images at MediaEval 2015", Proc. MediaEval 2015 Multimedia Benchmark Workshop, Wurzen, Germany, September 14-15, 2015.
- [134] E. Spyromitros-Xioufis, S. Papadopoulos, A. Ginsca, A. Popescu, Y. Kompatsiaris, I. Vlahavas, "Improving Diversity in Image Search via Supervised Relevance Scoring", Proc. International Conference on Multimedia Retrieval (ICMR), Shanghai, China, June 23-26, 2015. **(8 citations)**
- [135] T. G. Stavropoulos, G. Meditskos, Stelios Andreadis and I. Kompatsiaris, "Real-time Health Monitoring and Contextualised Alerts Using Wearables", International Conference on Interactive Mobile Communication, Technologies and Learning 2015 (to appear)
- [136] T. G. Stavropoulos, G. Meditskos, S. Andreadis and I. Kompatsiaris, "Dem@Care: Ambient Sensing and Intelligent Decision Support for the Care of Dementia", Semantic Web Applications and Tools for Life Sciences (SWAT4LS) International Conference, Poster Session, December 7-10, Cambridge, England, 2015 [Best Poster Prize]
- [137] S. Tachos, K. Avgerinakis, A. Briassouli, I. Kompatsiaris, "Appearance and Depth for Rapid Human Activity Recognition in Real Applications", to appear in British Machine Vision Conference (BMVC), Sep. 2015.
- [138] T. Theodoridis, S. Papadopoulos, Y. Kompatsiaris. "Assessing the Reliability of Facebook User Profiling". ICCSS, 2015 **(1 citation)**
- [139] T. Tsikrika, A. Latas, A. Moutzidou, E. Chatzilari, S. Vrochidis and I. Kompatsiaris, "Discovery of Environmental Web Resources Based on the Combination of Multimedia Evidence", 2nd International Workshop on Environmental Multimedia Retrieval (EMR 2015), Shanghai, China, June 23, 2015.
- [140] T. Tsikrika, K. Andreadou, A. Moutzidou, E. Schinas, S. Papadopoulos, S. Vrochidis, Y. Kompatsiaris, "A Unified Model for Socially Interconnected Multimedia-Enriched Objects", 21st MultiMedia Modelling Conference (MMM2015), Sydney, Australia, 5-7 January, 2015

- [141] T. Tsirikla, G. Kalpakis, S. Vrochidis, I. Kompatsiaris, I. Paraskakis, I. Kavasidis, J. Middleton, and U. Williamson. "A Framework for the Discovery, Analysis, and Retrieval of Multimedia Homemade Explosives Information on the Web". In Proceedings of the International Workshop on Multimedia Forensics and Security (MFSec 2015), to be held in conjunction with the 10th International Conference on Availability, Reliability and Security, Toulouse, France, 2015.
- [142] D. Ververidis, S. Nikolopoulos, I. Kompatsiaris, "Transforming your website to an augmented reality view", Proc. of the 14th IEEE International Symposium on Mixed and Augmented Reality, Fukuoka, Japan, 29 Sep - 3 Oct, 2015
- [143] S. Vrochidis, I. Kompatsiaris, G. Casamayor, I. Arapakis, R. Busch, V. Alexiev, E. Jamin, M. Jugov, N. Heise, T. Forrellat, D. Liparas, L. Wanner, I. Miliaraki, V. Aleksic, K. Simov, A. M. Soro, M. Eckhoff, T. Wagner, M. Puigbó, "MULTISENSOR: Development of Multimedia Content Integration Technologies for Journalism, Media Monitoring and International Exporting Decision Support", 2015 IEEE International Conference on Multimedia and Expo (ICME 2015), Turin, Italy, June 29 - July 3, 2015. **(1 citations)**
- [144] J.Y. Vion-Dury, N. Lagos, E. Kontopoulos, M. Riga, P. Mitzias, G. Meditskos, S. Waddington, P. Laurenson, I. Kompatsiaris. Designing for Inconsistency - The Dependency-based PERICLES Approach. 1st Int. Workshop on Semantic Web for Cultural Heritage In conjunction with 19th East-European Conf. on Advances in Databases and Information Systems (ADBIS 2015), Communications in Computer and Information Science, Vol. 359, pp. 458-467, Futuroscope, France, September 8-11, 2015.
- [145] P. Wittek, S. Darányi, E. Kontopoulos, T. Moysiadis, I. Kompatsiaris. Monitoring Term Drift Based on Semantic Consistency in an Evolving Vector Field. Int. Joint Conf. on Neural Networks (IJCNN'15) (to appear), Killarney, Ireland, July 12-17. **(1 citation)**
- [146] M. Zampoglou, S. Papadopoulos, Y. Kompatsiaris, "Detecting image splicing in the wild Web". In Proceedings of ICME 2015 Workshop on Web Multimedia Verification (WeMuV 2015). **(5 citations)**

2014

- [147] S. Beis, S. Papadopoulos, Y. Kompatsiaris, "Benchmarking Graph Databases on the Problem of Community Detection", Advances in Intelligent Systems and Computing Volume 312, pp 3-14, Springer, 2014 **(9 citations)**
- [148] C. Boididou, S. Papadopoulos, Y. Kompatsiaris, S. Schifferes, N. Newman, "Challenges of computational verification in social multimedia", Proceedings of the companion publication of the 23rd international conference on World Wide Web companion (WWW Companion '14). pp. 743-748, April 2014 **(20 citations)**
- [149] G. Chantas, A. Kitsikidis, S. Nikolopoulos, K. Dimitropoulos, S. Douka, I. Kompatsiaris, and N. Grammalidis "Multi-entity bayesian networks for knowledge-driven analysis of ICH content", Proc. 1st International Workshop on Computer vision + ONTology Applied Cross-disciplinary Technologies at ECCV 2014, Zurich, Switzerland, September 7th, 2014 **(3 citations)**
- [150] E. Chatzilari, S. Nikolopoulos, Y. Kompatsiaris, J. Kittler, "How many more images do we need? Performance Prediction of bootstrapping for Image Classification", Proc. IEEE Int. Conf. on Image Processing (ICIP 2014), Paris, France, 27-30 October 2014
- [151] E. Chatzilari, S. Nikolopoulos, Y. Kompatsiaris, J. Kittler, "Towards modelling visual ambiguity for visual object detection", 14th International Conference on Knowledge Technologies and Data-driven Business (i-KNOW 2014), Graz, Austria
- [152] E. Chatzilari, S. Nikolopoulos, Y. Kompatsiaris, J. Kittler. "Active Learning in Social Context for Image Classification", 9th International Conference on Computer Vision Theory and Applications (VISAPP) 2014, Lisbon, Portugal, 5-8 January 2014 **(2 citations)**
- [153] K. Dimitropoulos, S. Manitsaris, F. Tsalakanidou, S. Nikolopoulos, B. Denby, S. Al Kork, L. Crevier-Buchman, C. Pillot-Loiseau, S. Dupont, J. Tilmanne, M. Ott, M. Alivizatos, E. Yilmaz, L. Hadjileontiadis, V. Charisis, O. Deroo, A. Manitsaris, I. Kompatsiaris, and N. Grammalidis, "Capturing the Intangible: An Introduction to the i-Treasures Project", in Proc.

- 9th International Conference on Computer Vision Theory and Applications (VISAPP2014), Lisbon, Portugal, 5-8 January 2014. **(11 citations)**
- [154] C. Doulaverakis, A. Tzotsos, I. Tsampoulatidis, N. Gerontidis, A. Argyridis, K. Karantzas, I. Kompatsiaris, D. Argialas, "Gnorasi: A Modular Knowledge-based Platform for Object-based Image Analysis", GEOBIA 2014, Thessaloniki, Greece, 21 May 2014. **(1 citation)**
- [155] N. Gkalelis, F. Markatopoulou, A. Moutzidou, D. Galanopoulos, K. Avgerinakis, N. Pittaras, S. Vrochidis, V. Mezaris, I. Kompatsiaris, I. Patras, "ITI-CERTH participation to TRECVID 2014", Proc. TRECVID 2014 Workshop, Orlando, FL, USA, November 2014.
- [156] Y. HaCohen-Kerner, S. Vrochidis, D. Liparas, A. Moutzidou and I. Kompatsiaris, "Keyphrase Extraction using Textual and Visual Features", 3rd Workshop on Vision and Language (VL), Dublin, Ireland, August 23-29, 2014.
- [157] L. Johansson, V. Epitropou, K. Karatzas, L. Wanner, A. Karppinen, J. Kukkonen, S. Vrochidis and I. Kompatsiaris, "The extraction and fusion of meteorological and air quality information for orchestrated services", Proceedings of 1st International Workshop on Environmental Multimedia Retrieval (EMR 2014), Glasgow, UK, April 1, 2014.
- [158] V. Kaltsa, A. Briassouli, I. Kompatsiaris and M. G. Strintzis, "Swarm - based Motion Features for Anomaly Detection in Crowds", 2014 IEEE International Conference on Image Processing, Paris, France, Oct 27-30, 2014. **(2 citations)**
- [159] I. Kompatsiaris, S. Diplaris, S. Papadopoulos. Invited Keynote at MSDM 2014: Multimodal Social Data Management Workshop (part of EDBT/ICDT 2014), "Social Data and Multimedia Analytics for News and Events Applications", pp. 280-281.
- [160] I. Kompatsiaris, S. Diplaris, D. Corney, N. Heise, M. Klusch, E. Jaho, J. Geurts, Y. Liu, G. Petkos, S. Papadopoulos, N. Sarris, A. Goker, J. Spangenberg: "Real-time social media indexing and search", In: IET Conference Proceedings, International Broadcasting Community Conference 2014 (IBC 2014), Amsterdam, Netherlands, p. 5.3-5.3.
- [161] E. Kontopoulos, F. Corubolo, A. Eggers, J. Ludwig, P. Wieder, M. Hedges, S. Waddington, J. Chanod, J. Vion-Dury, A. Hasan, P. Watry, S. Darányi, R. Pinchuk, P. Laurensen, C. Muller, O. Spyroglou, I. Kompatsiaris. PERICLES EU Integrated Project: Research Strategy and First Results. EU Project Networking Session, 11th Extended Semantic Web Conf. (ESWC'14).
- [162] G. Kordopatis-Zilos, G. Orfanidis, S. Papadopoulos, Y. Kompatsiaris, "SocialSensor at MediaEval Placing Task 2014", Proc. MediaEval 2014 Multimedia Benchmark Workshop, Barcelona, Catalunya, Spain, October 16-17, 2014.
- [163] Kosmidou V., Tsolaki A., Papadaniil C., Tsolaki M., Hadjileontiadis L., Kompatsiaris I. "Cognitive Brain signal Processing: Healthy vs Alzheimer's disease patients", 16th International Conference on Human-Computer Interaction, Heraklion, Greece, June, 2014
- [164] D. Liparas, Y. Hacohen-Kerner, A. Moutzidou, S. Vrochidis and I. Kompatsiaris, "News articles classification using Random Forests and weighted multimodal features", Proceedings of the 3rd Open Interdisciplinary MUMIA Conference and 7th Information Retrieval Facility Conference (IRFC2014), 10 - 12 November 2014, Copenhagen, Denmark, LNCS 8849, pp. 63-75, Berlin: Springer-Verlag, 2014. **(2 citations)**
- [165] D. Liparas, A. Moutzidou, S. Vrochidis, I. Kompatsiaris, "Concept-oriented labelling of patent images based on Random Forests and proximity-driven generation of synthetic data", COLING'14 Workshop on Vision and Language (VL'14), Dublin, August 23, 2014.
- [166] F. Markatopoulou, V. Mezaris, I. Kompatsiaris, "A Comparative Study on the Use of Multi-Label Classification Techniques for Concept-Based Video Indexing and Annotation", Proc. 20th Int. Conf. on MultiMedia Modeling (MMM'14), Dublin, Ireland, Springer LNCS vol. 8325, pp. 1-12, January 2014. **(8 citations)**
- [167] G. Meditskos, E. Kontopoulos, I. Kompatsiaris, "Knowledge-driven Activity Recognition and Segmentation Using Context Connections", International Semantic Web Conference (ISWC), pp. 260-275, Riva del Garda, Trento, Italy, 19-23 October 2014 **(4 citations)**
- [168] A. Moutzidou, K. Avgerinakis, E. Apostolidis, V. Aleksic, F. Markatopoulou, C. Papagiannopoulou, S. Vrochidis, V. Mezaris, R. Busch, I. Kompatsiaris, "VERGE: An Interactive Search Engine for Browsing Video Collections", Proc. Video Browser

- Showdown (VBS'14) at the 20th Int. Conf. on MultiMedia Modeling (MMM'14), Dublin, Ireland, Springer LNCS vol. 8326, pp. 411-414, January 2014. **(4 citations)**
- [169] C. Papadaniil, V. Kosmidou, L.J. Hadjileontiadis, I. Kompatsiaris, "Effective Brain Areas Identification Using 3D Vector Field Tomography", Proc. of IEEE Int Conf on Engineering in Medicine and Biology Society, Brain Grand Challenges, Washington DC, USA, Nov. 2014
- [170] G. Petkos, S. Papadopoulos, V. Mezaris, R. Troncy, P. Cimiano, T. Reuter, Y. Kompatsiaris, "Social Event Detection at MediaEval: a three-year retrospect of tasks and results", Proc. ACM ICMR 2014 Workshop on Social Events in Web Multimedia (SEWM), Glasgow, UK, April 2014. **(20 citations)**
- [171] G. Petkos, S. Papadopoulos, Y. Kompatsiaris, "Graph-Based Multimodal Clustering for Social Event Detection in Large Collections of Images", Proceedings of MultiMedia Modeling, Lecture Notes in Computer Science Volume 8325, pp 146-158, Springer, 2014 **(7 citations)**
- [172] G. Petkos, S. Papadopoulos, L. Aiello, R. Skraba, Y. Kompatsiaris, "A soft frequent pattern mining approach for textual topic detection", Proceedings of the 4th International Conference on Web Intelligence, Mining and Semantics (WIMS '14). ACM, New York, NY, USA, Article 25, 2014 **(16 citations)**
- [173] G. Petkos, S. Papadopoulos, V. Mezaris, Y. Kompatsiaris, "Social Event Detection at MediaEval 2014: Challenges, Datasets, and Evaluation", Proc. MediaEval 2014 Workshop, CEUR vol. 1263, Barcelona, Spain, October 2014. **(12 citations)**
- [174] Petkos, G., Papadopoulos, S., & Kompatsiaris, Y. (2014). Two-level Message Clustering for Topic Detection in Twitter. SNOW-DC@WWW. **(2 citations)**
- [175] A. Popescu, S. Papadopoulos, I. Kompatsiaris, "USEMP at MediaEval Placing Task 2014", Proc. MediaEval 2014 Multimedia Benchmark Workshop, Barcelona, Catalunya, Spain, October 16-17, 2014.
- [176] M. Riga, G. Petkos, S. Papadopoulos, M. Schinas, Y. Kompatsiaris, "CERTH @ MediaEval 2014 Social Event Detection Task", Proc. MediaEval 2014 Multimedia Benchmark Workshop, Barcelona, Catalunya, Spain, October 16-17, 2014. **(3 citations)**
- [177] E. Spyromitros-Xioufis, S. Papadopoulos, Y. Kompatsiaris, I. Vlahavas, "SocialSensor: Finding Diverse Images at MediaEval 2014", Proc. MediaEval 2014 Multimedia Benchmark Workshop, Barcelona, Catalunya, Spain, October 16-17, 2014. **(3 citations)**
- [178] T. G. Stavropoulos, G. Meditskos, E. Kontopoulos, I. Kompatsiaris, The DemaWare Service-Oriented AAL Platform for People with Dementia, 3rd Int. Workshop on Artificial Intelligence and Assistive Medicine (AI-AM/NetMed) in conjunction with ECAI 2014, Vol-1213, pp. 11-15, Prague, Czech Republic. **(1 citations)**
- [179] A. Tsakalidis, S. Papadopoulos, I. Kompatsiaris, "An Ensemble Model for Cross-Domain Polarity Classification on Twitter", Proceedings of Web Information Systems Engineering–WISE 2014 (pp. 168-177). Springer International Publishing, 2014 **(8 citations)**
- [180] D. Tsatsou, S. Dasiopoulou, I. Kompatsiaris, V. Mezaris, "LiFR: A Lightweight Fuzzy DL Reasoner", Proc. Extended Semantic Web Conference (ESWC'14), poster track, Anissaras, Crete, Greece, May 2014. **(7 citations)**
- [181] T. Tsikrika, A. Moutzidou, S. Vrochidis and I. Kompatsiaris, "Focused Crawling of Environmental Web Resources: A Pilot Study on the Combination of Multimedia Evidence", Proceedings of 1st International Workshop on Environmental Multimedia Retrieval (EMR 2014), Glasgow, UK, April 1, 2014. **(1 citations)**

2013

- [182] L. Apostolidis, V. Mezaris, I. Kompatsiaris, "Fast object re-detection and localization in video for spatio-temporal fragment creation", Proc. 1st Int. Workshop on Media Fragment Creation and reMIXing (MMIX'13) at the IEEE Int. Conf. on Multimedia and Expo (ICME 2013), San Jose, CA, USA, July 2013.

- [183] K. Avgerinakis, A. Briassouli, I. Kompatsiaris. "Activity detection and recognition of daily living events". 1st ACM MM Workshop on Multimedia Indexing and Information Retrieval for Healthcare (MIIRH): held in conjunction with ACM MM 2013, Barcelona, Spain, Oct. 2013. **(7 citations)**
- [184] K. Avgerinakis, A. Briassouli, I. Kompatsiaris. "Recognition of Activities of Daily Living for Smart Home environments". 9th International Conference on Intelligent Environments (IE2013), Athens, Greece, July 18-19, 2013. **(7 citations)**
- [185] K. Avgerinakis, I. Kompatsiaris, "DemCare action dataset for evaluating dementia patients in a home-based environment", Ambient TeleCare session of Innovation in Medicine and Healthcare (InMed), Athens, 17-19 July 2013.
- [186] E. Chatzilari, G. Liaros, S. Nikolopoulos and Y. Kompatsiaris. "A comparative study on mobile visual recognition", 9th International Conference on Machine Learning and Data Mining (MLDM 2013), New York, USA, July 19-25, 2013. **(9 citations)**
- [187] G. Cheimariotis, V. Koutkias, I. Chouvarda, K. Toutouzas, Y.S. Chatzizisis, A. Giannopoulos, M. Riga, A. Antoniadis, C. Doulaverakis, I. Tsampoulatidis, I. Kompatsiaris, C. Stefanadis, G. Giannoglou and N. Maglaveras, "A Framework for Automatic Detection of Lumen-Endothelium Border in Intracoronary OCT Image Sequences", MEDICON 2013, Sevilla, Spain, September 25-28, 2013.
- [188] D. Corney, C. Martin, A. Göker, E. Spyromitros-Xioufis, S. Papadopoulos, Y. Kompatsiaris, Luca Aiello, Bart Thomee, "SocialSensor: Finding Diverse Images at MediaEval 2013", Proc. MediaEval 2013 Multimedia Benchmark Workshop, Barcelona, Spain, October 18-19, 2013. **(6 citations)**
- [189] C. Doulaverakis, G. Nikolaidis, A. Kleontas and I. Kompatsiaris, "Panacea, a Semantic-enabled Drug Recommendations Discovery Framework", VDOS2013 workshop in conjunction with ICBO 2013, Montreal, Canada, July 8, 2013. **(12 citations)**
- [190] N. Gkalelis, V. Mezaris, I. Kompatsiaris, T. Stathaki, "Video event recounting using mixture subclass discriminant analysis", Proc. IEEE International Conference on Image Processing (ICIP 2013), Melbourne, Australia, September 2013. **(2 citations)**
- [191] N. Gkalelis, V. Mezaris, M. Dimopoulos, I. Kompatsiaris, T. Stathaki, "Video event detection using a subclass recoding error-correcting output codes framework", Proc. IEEE Int. Conf. on Multimedia and Expo (ICME 2013), San Jose, CA, USA, July 2013.
- [192] K. Konstantinidis, S. Papadopoulos, Y. Kompatsiaris, "Community Structure and Evolution Analysis of OSN interactions around Real-world Social Phenomena", In Proceedings of PCI 2013, September 19-21, Thessaloniki, Greece (to appear) **(4 citations)**
- [193] G. Kordopatis-Zilos, S. Papadopoulos, E. Spyromitros-Xioufis, A. L. Symeonidis, Y. Kompatsiaris, "CERTH at MediaEval Placing Task 2013", Proc. MediaEval 2013 Multimedia Benchmark Workshop, Barcelona, Spain, October 18-19, 2013. **(3 citations)**
- [194] E. Mantziou, S. Papadopoulos, Y. Kompatsiaris, "Large-scale semi-supervised learning by Approximate Laplacian Eigenmaps, VLAD and Pyramids", In Proceedings of the 14th International Workshop on Image Analysis for Multimedia Interactive Services WIAMIS 2013), Paris, France, July 2013. **(1 citations)**
- [195] E. Mantziou, S. Papadopoulos, and Y. Kompatsiaris, "Scalable training with approximate incremental laplacian eigenmaps and PCA", In Proceedings of the 21st ACM international conference on Multimedia (MM '13). ACM, New York, NY, USA, pp. 381-384, 2013. **(5 citations)**
- [196] F. Markatopoulou, A. Moutzidou, C. Tzelepis, K. Avgerinakis, N. Gkalelis, S. Vrochidis, V. Mezaris, and I. Kompatsiaris, "ITI-CERTH participation to TRECVID 2013," in TRECVID 2013 Workshop, Gaithersburg, MD, USA, 2013.
- [197] G. Meditskos, S. Dasiopoulou, V. Efstathiou, I. Kompatsiaris, "Ontology Patterns for Complex Activity Modelling", 7th International Web Rule Symposium: Research Based and Industry Focused (RuleML), Seattle Metropolitan Area, USA, July 11-13, 2013. **(6 citations)**
- [198] G. Meditskos, S. Dasiopoulou, V. Efstathiou, I. Kompatsiaris, "SP-ACT: A Hybrid Framework for Complex Activity Recognition Combining OWL and SPARQL Rules", 10th

- IEEE Workshop on Context Modeling and Reasoning (CoMoRea), San Diego, California, March 18-22, 2013. **(18 citations)**
- [199] A. Mourtzidou, S. Vrochidis, and I. Kompatsiaris, "Concept extraction from patent images based on recursive hybrid classification", 6th Information Retrieval Facility Conference 2013, Limassol, Cyprus, 7-9 October, 2013.
- [200] A. Mourtzidou, S. Vrochidis, E. Chatzilari and I. Kompatsiaris. "Discovery of Environmental Resources based on Heatmap Recognition", IEEE International Conference on Image Processing (ICIP 2013), Melbourne, Australia, September 15-18, 2013. **(2 citations)**
- [201] A. Mourtzidou, S. Vrochidis, I. Kompatsiaris, "Discovery of Weather Forecast Web Resources based on Ontology and Content-driven Hierarchical Classification", 14th International Conference on Engineering Applications of Neural Networks (EANN 2013), Halkidiki, Greece, 13-16 September, 2013.
- [202] S. Nikolopoulos, S. Papadopoulos and Y. Kompatsiaris. "Reality Mining in urban space", The Fourth International Conference on Information, Intelligence, Systems and Applications (IISA 2013), Workshop on Urban Computing & Modern Cities, Piraeus, Greece, July 10 – 12, 2013. **(2 citations)**
- [203] S. Papadopoulos, E. Schinas, V. Mezaris, R. Troncy, I. Kompatsiaris, "The 2012 Social Event Detection Dataset", In Proceedings of the 4th ACM Multimedia Systems Conference (MMSys '13). ACM, New York, NY, USA, 102-107, doi.acm.org/10.1145/2483977.2483989 **(7 citations)**
- [204] S. Papadopoulos, C. Sagonas, Y. Kompatsiaris, A. Vakali, "Semi-supervised concept detection by learning the structure of similarity graphs", Advances in Multimedia Modeling, LNCS Volume 7732, pp 1-12, Huangshan, China, January 7-9, 2013 (Best Paper Honorable Mention), doi:10.1007/978-3-642-35725-1_1
- [205] T. Reuter, S. Papadopoulos, G. Petkos, V. Mezaris, Y. Kompatsiaris, P. Cimiano, C. de Vries, S. Geva, "Social Event Detection at MediaEval 2013: Challenges, Datasets, and Evaluation", Proc. MediaEval 2013 Workshop, CEUR vol. 1043, Barcelona, Spain, October 2013. **(31 citations)**
- [206] A. Satt, A. Sorin, O. Toledo-Ronen, O. Barkan, I. Kompatsiaris, A. Kokonozi, M. Tsolaki, "Evaluation of Speech-Based Protocol for Detection of Early-Stage Dementia", in Proceedings of INTERSPEECH 2013, 25 August 2013, Lyon, France. **(16 citations)**
- [207] E. Schinas, S. Papadopoulos, S. Diplaris, Y. Kompatsiaris, Y. Mass, J. Herzig, L. Boudakidis, "EventSense: Capturing the Pulse of Large-scale Events by Mining Social Media Streams", In Proceedings of PCI 2013, September 19-21, Thessaloniki, Greece (to appear)
- [208] P. Sidiropoulos, V. Mezaris, I. Kompatsiaris, "Enhancing video concept detection with the use of tomographs", Proc. IEEE International Conference on Image Processing (ICIP 2013), Melbourne, Australia, September 2013. **(4 citations)**
- [209] I. Tsampoulatidis, D. Ververidis, P. Tsarchopoulos, S. Nikolopoulos, I. Kompatsiaris and N. Komninos, "ImproveMyCity - An open source platform for direct citizen-government communication", The 21st ACM International Conference on Multimedia – Open Source Software Competition, Barcelona, Catalunya, Spain, October 21-25, 2013. **(7 citations)**
- [210] C. Tzelepis, N. Gkalelis, V. Mezaris, I. Kompatsiaris, "Improving event detection using related videos and Relevance Degree Support Vector Machines", Proc. ACM Multimedia 2013 (MM'13), Barcelona, Spain, 21-25 October 2013. **(5 citations)**
- [211] L. Wanner, H. Bosch, S. Vrochidis, N. Bouayad-Agha, G. Casamayor, L. Johansson, A. Karppinen, A. Mourtzidou, I. Kompatsiaris, T. Ertl. "Involving the Expert in the Delivery of Environmental Information from the Web", EnvironInfo 2013, Hambourg, September 2-4, 2013.

2012

- [212] K. Avgerinakis, A. Briassouli, I. Kompatsiaris, "Recognition of Activities of Daily Living", 5th International Symposium on Monitoring & Surveillance Research (ISMSR): Healthcare-Safety-Security, Athens, Greece, Nov. 9 2012. **(2 citations)**
- [213] K. Avgerinakis, A. Briassouli, I. Kompatsiaris, "Smoke Detection Using Temporal HOGHOF Descriptors and Energy Colour Statistics from Video", Firesense Workshop, 8-9 November 2012, Antalya, Turkey. **(7 citations)**
- [214] K. Avgerinakis, A. Briassouli, I. Kompatsiaris, "Video monitoring for activities of daily living recognition", AAL Forum, Eindhoven, Netherlands, Sep. 24-27 2012. **(2 citations)**
- [215] E. Chatzilari, S. Nikolopoulos, Y. Kompatsiaris, J. Kittler. "Multi-Modal Region Selection Approach for Training Object Detectors", In Proceedings of the 2nd ACM International Conference on Multimedia Retrieval (ICMR '12). ACM, New York, NY, USA, Article 5, 8 pages. DOI=10.1145/2324796.2324803.
- [216] S. Diplaris, G. Petkos, S. Papadopoulos, Y. Kompatsiaris, Nikos Sarris, Carlos Martin, Ayse Goker, David Corney, Joost Geurts, Yaning Liu, Jean-Charles Point. "SocialSensor: Surfacing Real-Time Trends and Insights from Multiple Social Networks". In Proceedings of the 2012 NEM Summit. Istanbul, Turkey, 47-52.
- [217] S. Diplaris, S. Papadopoulos, I. Kompatsiaris, N. Heise, J. Spangenberg, N. Newman, and H. Hacid. 2012. "'Making sense of it all': an attempt to aid journalists in analysing and filtering user generated content". In Proceedings of the 21st international conference companion on World Wide Web (WWW '12 Companion). ACM, New York, NY, USA, 1241-1246. **(1 citations)**
- [218] S. Diplaris, S. Papadopoulos, I. Kompatsiaris, A. Goker, A. Macfarlane, J. Spangenberg, H. Hacid, L. Maknavicius, and M. Klusch. 2012. "SocialSensor: sensing user generated input for improved media discovery and experience". In Proceedings of the 21st international conference companion on World Wide Web (WWW '12 Companion). ACM, New York, NY, USA, 243-246. **(4 citations)**
- [219] C. Doulaverakis, G. Nikolaidis, A. Kleontas and I. Kompatsiaris, "GalenOWL: Ontology based drug recommendations discovery", in Vaccine and Drug Ontology in the Study of Mechanism and Effect (VDOSME 2012), Workshop of the 3rd international Conference on Biomedical Ontology (ICBO 2012), July 21, 2012, Graz, Austria.
- [220] A. Giannopoulos, K. Toutouzas, M. Riga, Y.S. Chatzizisis, A. Antoniadis, C. Doulaverakis, I. Tsampoulatidis, I. Kompatsiaris, G.D. Giannoglou, C. Stefanadis, "Plaques with increased lipid core and thin fibrous cap occur in coronary artery regions with low endothelial shear stress: a 3D optical coherence tomography pilot study in human", European Society of Cardiology Congress 2012 (ESC 2012), Munich, Germany, August 2012.
- [221] G. Hummel, M. Russ, P. Stütz, J. Soldatos, L. Rossi, T. Knappe, Á. Utasi, L. Kovács, T. Szirányi, C. Doulaverakis and I. Kompatsiaris, "Intelligent Multi Sensor Fusion System for Advanced Situation Awareness in Urban Environments", in Future Security - Security Research Conference, Bonn, Germany, September 4 – 6, 2012. **(1 citation)**
- [222] V. Kaltsa, A. Briassouli, I. Kompatsiaris and M. G. Strintzis, "Timely, Robust Crowd Event Characterization", 2012 IEEE International Conference on Image Processing, Orlando, Fla, USA, Sept. 30 - Oct 3 2012. **(5 citations)**
- [223] E. Mantziou, G. Petkos, S. Papadopoulos, C. Sagonas, Y. Kompatsiaris, "CERTH's Participation at the Photo Annotation Task of ImageCLEF 2012", In CLEF 2012 (Online Working Notes/Labs/Workshop) **(1 citation)**
- [224] A. Moutzidou, N. Gkalelis, P. Sidiropoulos, M. Dimopoulos, S. Nikolopoulos, S. Vrochidis, V. Mezaris, I. Kompatsiaris, "ITI-CERTH participation to TRECVID 2012", in Proceedings of TRECVID 2012 Workshop, November 2012, Gaithersburg, MD, USA.
- [225] A. Moutzidou, V. Epitropou, S. Vrochidis, S. Voth, A. Bassoukos, K. Karatzas, J. Mossgraber, I. Kompatsiaris, A. Karppinen and J. Kukkonen, "Environmental Data Extraction from Multimedia Resources", Proceedings of the 1st ACM international workshop on Multimedia analysis for ecological data (MAED 2012), pp. 13-18, November 2, 2012, Nara, Japan. **(6 citations)**

- [226] A. Moumtzidou, S. Vrochidis, S. Tonelli, I. Kompatsiaris and E. Pianta, "Discovery of Environmental Nodes in the Web", in Proceedings of the 5th IRF Conference, Austria, Vienna, July 2-3, 2012.
- [227] S. Nikolopoulos, G. Th. Papadopoulos, I. Kompatsiaris and I. Patras, "Image interpretation by combining ontologies and bayesian networks", SETN 2012, Lamia-Greece, May 2012.
- [228] R. Palenichka, M. Petrou, Y. Kompatsiaris, A. Lakhssassi, "Model-based extraction of image area descriptors using a multi-scale attention operator", 21st International Conference on Pattern Recognition (ICPR 2012), November 11-15, 2012, Tsukuba, Japan.
- [229] S. Papadopoulos, E. Schinas, V. Mezaris, R. Troncy, I. Kompatsiaris, "Social Event Detection at MediaEval 2012: Challenges, Dataset and Evaluation", In Working Notes Proceedings of the MediaEval 2012 Workshop, CEUR vol. 927, Pisa, Italy, October 2012. **(31 citations)**
- [230] S. Papadopoulos, J. Bakalli, Y. Kompatsiaris, E. Schinas. "Cluster-based Photo Browsing and Tagging on the Go". In Proceedings of ACM International Conference on Multimedia Retrieval (ICMR), Hong Kong, 2012. **(1 citation)**
- [231] G. Petkos, S. Papadopoulos, Y. Kompatsiaris, "Social event detection using multimodal clustering and integrating supervisory signals", In Proceedings of the 2nd ACM International Conference on Multimedia Retrieval (ICMR '12). ACM, New York, NY, USA, Article 23, 8 pages, doi.acm.org/10.1145/2324796.2324825 **(43 citations)**
- [232] E. Schinas, G. Petkos, S. Papadopoulos, Y. Kompatsiaris, "CERTH @ MediaEval 2012 Social Event Detection Task", In Working Notes Proceedings of the MediaEval 2012 Workshop, CEUR vol. 927, Pisa, Italy, October 2012 **(15 citations)**
- [233] E. Spyromitros-Xioufis, S. Papadopoulos, I. Kompatsiaris, G. Tsoumakas, I. Vlahavas, "An Empirical Study on the Combination of SURF Features with VLAD Vectors for Image Search", In Proceedings of the 13th International Workshop on Image Analysis for Multimedia Interactive Services WIAMIS 2012), Dublin, Ireland, May 2012 **(9 citations)**
- [234] K.P. Toutouzas, M. Riga, A. Giannopoulos, Y.S. Chatzizisis, A. Antoniadis, C. Doulaverakis, I. Tsampoulatidis, I. Kompatsiaris, C. Stefanadis, G.D. Giannoglou, "Geometrically-correct 3D OCT: proof of concept, methodology and First-in-Man validation study", European Society of Cardiology Congress 2012 (ESC 2012), Munich, Germany, August 2012.
- [235] D. Tsatsou, V. Mezaris and I. Kompatsiaris. "Semantic personalisation in networked media: determining the background knowledge". In 7th International Workshop on Semantic and Social Media Adaptation and Personalization (SMAP 2012), December 3-4, 2012, Luxembourg. **(1 citation)**
- [236] S. Vrochidis, H. Bosch, A. Moumtzidou, F. Heimerl, T. Ertl, I. Kompatsiaris, "An Environmental Search Engine based on Interactive Visual Classification", Proceedings of the 1st ACM international workshop on Multimedia analysis for ecological data (MAED 2012), pp. 49-52, November 2, 2012, Nara, Japan. **(1 citation)**
- [237] S. Vrochidis, A. Moumtzidou, G. Ypma and I. Kompatsiaris, "PatMedia: Augmenting Patent Search with Content-based Image Retrieval", in Proceedings of the 5th IRF Conference, Austria, Vienna, July 2-3, 2012. **(2 citations)**
- [238] S. Vrochidis, V. Epitropou, A. Bassoukos, S. Voth, K. Karatzas, A. Moumtzidou, J. Mossgraber, I. Kompatsiaris, A. Karppinen, J. Kukkonen, "Extraction of environmental data from on-line environmental information sources", Artificial Intelligence Applications and Innovations, IFIP Advances in Information and Communication Technology Volume 382, pp 361-370, 3rd Intelligent Systems for Quality of Life information Services Workshop (ISQL 2012), September 29, 2012, Halkidiki, Greece. **(1 citations)**
- [239] S. Vrochidis, I. Patras and I Kompatsiaris, "Exploiting gaze movements for automatic video annotation", in Proceedings of the 13th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2012), Dublin, Ireland, May 23-25, 2012.
- [240] L. Wanner, S. Vrochidis, M. Rospocher, J. Mossgraber, H. Bosch, A. Karppinen, M. Myllynen, S. Tonelli, N. Bouayad-Agha, U. Bugel, G. Casamayor, T. Ert, D. Hilbring, K. Karatzas, I. Kompatsiaris, T. Koskentalo, S. Mille, A. Moumtzidou, E. Pianta, H. Saggion, L. Serafini, V. Tarvainen, "Personalized environmental service orchestration for quality of life

improvement", Artificial Intelligence Applications and Innovations, IFIP Advances in Information and Communication Technology Volume 382, pp 351-360, 3rd Intelligent Systems for Quality of Life information Services Workshop (ISQL 2012), September 29, 2012, Halkidiki, Greece.

- [241] P. Sidiropoulos, V. Mezaris, I. Kompatsiaris, "Differential Edit Distance As A Countermeasure To Video Scene Ambiguity", Proc. IEEE Int. Workshop on Machine Learning for Signal Processing (MLSP 2012), Santander, Spain, September 2012. **(1 citation)**
- [242] L. Wanner, M. Rospocher, S. Vrochidis, H. Bosch, N. Bouayad-Agha, U. Bügel, G. Casamayor, T. Ertl, D. Hilbring, A. Karppinen, I. Kompatsiaris, T. Koskentalo, S. Mille, J. Moßgraber, A. Moumtzidou, M. Myllynen, E. Pianta, H. Saggion, L. Serafini, V. Tarvainen and S. Tonelli, "Personalized Environmental Service Configuration and Delivery Orchestration: The PESCaDO Demonstrator", in Proceedings of the 9th Extended Semantic Web Conference (ESWC 2012), Heraclion, Crete, Greece, May 27-31, 2012.

2011

- [243] A. Athanasopoulos, A. Dimou, V. Mezaris, I. Kompatsiaris, "GPU Acceleration for Support Vector Machines", Proc. 12th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2011), Delft, The Netherlands, April 2011 **(51 citations)**.
- [244] A. Briassouli, I. Kompatsiaris, "Spatiotemporally Localized New Event Detection in Crowds", ARTEMIS ICCV 2011 workshop, Barcelona, November 4-14, 2011, pp 928 - 933. **(9 citations)**
- [245] Elisavet Chatzilari, Spiros Nikolopoulos, Symeon Papadopoulos, Christos Zigkolis, Yiannis Kompatsiaris, "Semi-Supervised object recognition using flickr images", Proc. 9th International Workshop on Content-Based Multimedia Indexing (CBMI 2011), Madrid, Spain, June 2011. **(6 citations)**
- [246] C. Doulaverakis, N. Konstantinou, T. Knappe, I. Kompatsiaris, J. Soldatos, "An approach to Intelligent Information Fusion in Sensor Saturated Urban Environments", EISIC 2011, Athens, Greece, September 2011. **(9 citations)**
- [247] N. Gkalelis, V. Mezaris, I. Kompatsiaris, "High-level event detection in video exploiting discriminant concepts", Proc. 9th International Workshop on Content-Based Multimedia Indexing (CBMI 2011), Madrid, Spain, June 2011. **(11 citations)**
- [248] I. Kompatsiaris, S. Diplaris, S. Papadopoulos. Extracting Emergent Semantics from Large-Scale User-Generated Content, ICT Innovations 2011 conference, Skopje, FYROM, 14-16 September 2011. **(1 citation)**
- [249] V. Mezaris, P. Sidiropoulos, I. Kompatsiaris, "Improving interactive video retrieval by exploiting automatically-extracted video structural semantics", Proc. Fifth IEEE International Conference on Semantic Computing (ICSC 2011), Palo Alto, CA, USA, September 2011. **(1 citation)**
- [250] M. Mirkovic, D. Culibrk, S. Papadopoulos, C. Zigkolis, Y. Kompatsiaris, G. Mcardle. A Comparative Study of Spatial, Temporal and Content-based Patterns Emerging in YouTube and Flickr. In Proceedings of CASoN 2011 . **(4 citations)**
- [251] A Moumtzidou, P. Sidiropoulos, S. Vrochidis, N. Gkalelis, S. Nikolopoulos, V. Mezaris, I. Kompatsiaris, I. Patras, "ITI-CERTH participation to TRECVID 2011", in Proceedings of TRECVID 2011 Workshop, December 2011, Gaithersburg, MD, USA.
- [252] S. Nikolopoulos, S. G. Nikolov, I. Kompatsiaris, "Study on Mobile Image Search". NEM Summit: Implementing Future Media Internet, Torino, Italy, September 2011. **(1 citations)**
- [253] S. Papadopoulos, R. Troncy, V. Mezaris, B. Huet and I. Kompatsiaris. Social Event Detection at MediaEval 2011: Challenges, Dataset and Evaluation. In MediaEval 2011 Workshop, September 1-2, 2011, Pisa, Italy. **(40 citations)**
- [254] S. Papadopoulos, C. Zigkolis, Y. Kompatsiaris, A. Vakali. "CERTH @ MediaEval 2011 SED Task" In Proceedings of MediaEval 2011 Workshop, Pisa, Italy, 1-2 September 2011 **(9 citation)**

- [255] S. Papadopoulos, C. Zigkolis, S. Kapisris, Y. Kompatsiaris, A. Vakali. "City exploration by use of spatio-temporal analysis and clustering of user contributed photos". In ICMR '11 Proceedings of the 1st ACM International Conference on Multimedia Retrieval, 2011, ACM, New York, Article 65, 2 pages. (best demo award) **(1 citations)**
- [256] P. Sidiropoulos, V. Mezaris, I. Kompatsiaris, H. Meinedo, M. Bugalho, I. Trancoso, "Video Scene Segmentation System Using Audio-Visual Features", Proc. 12th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2011), Delft, The Netherlands, April 2011. **(3 citations)**
- [257] I. Tsampoulatidis, N. Gkalelis, A. Dimou, V. Mezaris, I. Kompatsiaris, "High-level Event Detection System Based on Discriminant Visual Concepts", Proc. ACM International Conference on Multimedia Retrieval (ICMR 2011), Trento, Italy, April 2011. **(5 citations)**
- [258] S. Vrochidis, I. Patras and I. Kompatsiaris, "An Eye-tracking-based Approach to Facilitate Interactive Video Search", 2011 ACM International Conference on Multimedia Retrieval (ICMR2011), Trento, Italy, April 17-20, 2011. **(7 citations)**
- [259] L. Wanner, S. Vrochidis, S. Tonelli, J. Moßgraber, H. Bosch, A. Karppinen, M. Myllynen, M. Rospocher, N. Bouayad-Agha, U. Brügel, G. Casamayor, T. Ertl, I. Kompatsiaris, T. Koskentalo, S. Mille, A. Moumtzidou, E. Pianta, H. Saggion, L. Serafini, V. Tarvainen, "Building an Environmental Information System for Personalized Content Delivery", International Symposium on Environmental Software Systems (ISeSS 2011), Brno, Czech Republic, June 2011. **(4 citations)**
- [260] Zigkolis, C., Papadopoulos, S., Kompatsiaris, Y., & Vakali, A. Detecting the long-tail of points of interest in tagged photo collections. 2011 9th International Workshop on Content-Based Multimedia Indexing (CBMI), pp. 235-240, June 2011 **(1 citation)**

2010

- [261] K.Avgerinakis, A.Briassouli, I. Kompatsiaris, "Real Time Motion Changes for New Event Detection and Recognition", ACCV 2010 Workshop - 10th International Workshop on Visual Surveillance VS 2010, Queenstown, New Zealand, November 2010.
- [262] K.Avgerinakis, A.Briassouli, I. Kompatsiaris, "Real Time Illumination Invariant Motion Change Detection", ACM Multimedia 2010 Workshop - 1st ACM ARTEMIS2010 International Workshop, Firenze, Italy, October 2010, pp.75-80. **(2 citations)**
- [263] A.Briassouli, I. Kompatsiaris, "Change Detection for Temporal Texture in the Fourier Domain", ACCV 2010 - 10th Asian Conference on Computer Vision, Queenstown, New Zealand, November 2010. **(2 citations)**
- [264] S. Dasiopoulou, I.Kompatsiaris "Trends and Issues in Description Logics Frameworks for Image Interpretation", 6th Hellenic Conference on Artificial Intelligence (SETN), 4-7 May, Athens, Greece, 2010. **(11 citations)**
- [265] S. Diplaris, A. Flores, B. Sigurbjornsson, N. Tintarev, M. Escriche, R. van Zwol, Y. Kompatsiaris, "Collective Intelligence in Mobile Consumer Social Applications", In Proc. 9th International Conference on Mobile Business / 9th Global Mobility Roundtable (ICMB/GMR 2010), pp. 206-212, full paper, Athens, Greece, 13-15 June 2010. **(2 citations)**
- [266] E. Giannakidou, V. Koutsonikola, A. Vakali and I. Kompatsiaris, "Exploring Temporal Aspects in User-Tag Co-Clustering", In Proc. 11th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2010), 12-14 April 2010, Desenzano del Garda, Italy. **(1 citation)**
- [267] N. Gkalelis, V. Mezaris, I. Kompatsiaris, "Automatic event-based indexing of multimedia content using a joint content-event model", Proc. ACM Multimedia 2010, Events in MultiMedia Workshop (EiMM10), Firenze, Italy, October 2010. **(5 citations)**
- [268] N. Gkalelis, V. Mezaris, I. Kompatsiaris, "A joint content-event model for event-centric multimedia indexing", Proc. Fourth IEEE International Conference on Semantic Computing (ICSC2010), Pittsburgh, PA, USA, September 2010. **(9 citations)**

- [269] V. Mezaris, P. Sidiropoulos, A. Dimou, I. Kompatsiaris, "On the use of visual soft semantics for video temporal decomposition to scenes", Proc. Fourth IEEE International Conference on Semantic Computing (ICSC2010), Pittsburgh, PA, USA, September 2010. **(1 citation)**
- [270] V. Mezaris, A. Dimou, I. Kompatsiaris, "On the use of feature tracks for dynamic concept detection in video", Proc. IEEE International Conference on Image Processing (ICIP 2010), Hong Kong, China, September 2010. **(1 citation)**
- [271] V. Mezaris, A. Dimou, I. Kompatsiaris, "Local invariant feature tracks for high-level video feature extraction", Proc. 11th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2010), Desenzano del Garda, Italy, April 2010. **(13 citations)**
- [272] A. Moumtzidou, A. Dimou, N. Gkalelis, S. Vrochidis, V. Mezaris, I. Kompatsiaris, "ITI-CERTH participation to TRECVID 2010", in Proceedings of TRECVID 2010 Workshop, November 2010, Gaithersburg, MD, USA. **(3 citations)**
- [273] G. Th. Papadopoulos, V. Mezaris, I. Kompatsiaris and M. G. Strintzis, "Probabilistic Combination of Spatial Context with Visual and Co-occurrence Information for Semantic Image Analysis", IEEE International Conference on Image Processing (ICIP 2010), Hong Kong Convention and Exhibition Centre, Hong Kong, China, September 2010. **(1 citation)**
- [274] G. Th. Papadopoulos, V. Mezaris, I. Kompatsiaris and M. G. Strintzis, "A Statistical Learning Approach to Spatial Context Exploitation for Semantic Image Analysis", 20th International Conference on Pattern Recognition (ICPR 2010), Istanbul, Turkey, 23-26 August 2010.
- [275] S. Papadopoulos, A. Scherp, N. Ireson, I. Tsampoulatidis, Y. Kompatsiaris. "Using Event Representation and Semantic Enrichment for Managing and Reviewing Emergency Incident Logs". In 2nd ACM International Workshop on Events in MultiMedia, 2010 **(1 citation)**
- [276] S. Papadopoulos, C. Zigkolis, S. Kapiris, Y. Kompatsiaris, A. Vakali. "ClustTour: City Exploration by use of Hybrid Photo Clustering." In Proceedings of MM '10, the international Conference on Multimedia (Firenze, Italy, October 25 - 29, 2010), ACM, New York, NY, pp. 1617-1620. **(10 citations)**
- [277] S. Papadopoulos, Y. Kompatsiaris, A. Vakali. "A Graph-based Clustering Scheme for Identifying Related Tags in Folksonomies", In Proceedings of DaWaK, LNCS 6263, pp. 65-76, Springer, 2010. **(33 citations)**
- [278] S. Papadopoulos, C. Zigkolis, G. Toliass, Y. Kalantidis, P. Mylonas, Y. Kompatsiaris, A. Vakali. "Image Clustering through Community Detection on Hybrid Image Similarity Graphs". In Proceedings of ICIP 2010, International Conference on Image Processing (Hong Kong), IEEE, pp. 2353-2356 **(13 citations)**
- [279] P. Sidiropoulos, S. Vrochidis and I. Kompatsiaris, "Adaptive Hierarchical Density Histogram for complex binary image retrieval", in Proceedings of the 8th International Workshop on Content-Based Multimedia Indexing (CBMI 2010), pp. 182-187, Grenoble, France, 23-25 June 2010.
- [280] P. Sidiropoulos, V. Mezaris, I. Kompatsiaris, H. Meinedo, M. Bugalho, I. Trancoso, "On the use of audio events for improving video scene segmentation", Proc. 11th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2010), Desenzano del Garda, Italy, April 2010. **(14 citations)**
- [281] S. Vrochidis, I. Kompatsiaris and I. Patras, "Optimizing Visual Search with Implicit User Feedback in Interactive Video Retrieval", in Proceedings of the ACM International Conference on Image and Video Retrieval (CIVR 2010), pp 274-281, Xi'an, China, 5-7 July 2010. **(4 citations)**
- [282] S. Vrochidis, A. Moumtzidou, P. King, A. Dimou, V. Mezaris and I. Kompatsiaris, "VERGE: A video interactive retrieval engine", in Proceedings of the 8th International Workshop on Content-Based Multimedia Indexing (CBMI 2010), pp. 142-147, Grenoble, France, 23-25 June 2010. **(8 citations)**
- [283] S. Vrochidis, I. Kompatsiaris and I. Patras, "Exploiting Implicit User Feedback in Interactive Video Retrieval", in Proceedings of the 11th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2010), Desenzano del Garda, Italy, April 2010.

- [284] L. Wanner, H. Bosch, N. Bouayad-Agha, U. Brügel, G. Casamayor, T. Ertl, A. Karppinen, I. Kompatsiaris, T. Koskentalo, S. Mille, J. Moßgraber, A. Moumtzidou, M. Myllynen, E. Pianta, M. Rospocher, H. Saggion, L. Serafini, V. Tarvainen, S. Tonelli, T. Uslander, S. Vrochidis, "Service-Based Infrastructure for User-Oriented Environmental Information Delivery", ENVIP 2010 Workshop, Bonn/Cologne, October 6-8, 2010.

2009

- [285] Γ. Γιαννόγλου, Α. Αντωνιάδης, Ι. Χατζηζήσης, Χ. Δουλαβεράκης, Ι. Τσαμπουλατίδης, Α. Μπίλης, Ι. Κομπατσιάρης, "Εφαρμογή Αυτοματοποιημένης Τρισδιάστατης Ανασύνθεσης Στεφανιαίων Αρτηριών στην Ανίχνευση Ευάλωτων Αθηρωματικών Πλακών", 30ο Πανελλήνιο Καρδιολογικό Συνέδριο, 29-31 Οκτωβρίου 2009, Αθήνα.
- [286] Ioannis Arapakis, Ioannis Konstas, Joemon M. Jose, Ioannis Kompatsiaris, "Modeling Facial Expressions and Peripheral Physiological Signals to Predict Topical Relevance", ACM SIGIR 2009, Boston, Massachusetts. **(1 citation)**
- [287] T. Athanasiadis, N. Simou, G. Th. Papadopoulos, R. Benmokhtar, K. Chandramouli, V. Tzouvaras, V. Mezaris, M. Phiniketos, Y. Avrithis, Y. Kompatsiaris, B. Huet and E. Izquierdo, "Integrating Image Segmentation and Classification for Fuzzy Knowledge-based Multimedia Indexing", 15th International Multimedia Modeling Conference (MMM '09), Sophia-Antipolis, France, January 2009. **(5 citations)**
- [288] K. Avgerinakis, A. Briassouli, I. Kompatsiaris, "Video processing for judicial applications", ict4justice, September 2009 publication, Skopje, FYROM. **(3 citations)**
- [289] A. Briassouli, I. Kompatsiaris, "Change Detection for Video", 2nd International Workshop in Sequential Methodologies (IWSM 2009), June 15-17 2009, Troyes, France.
- [290] A. Briassouli, I. Kompatsiaris, "Detection of Multiple Subevents in Space and Time for Video Analysis", WCVIM International Workshop on Computer Vision and its Application to Image Media Processing, Tokyo, Japan, January 13, 2009.
- [291] E. Chatzilari, S. Nikolopoulos, E. Giannakidou and I. Kompatsiaris, "Leveraging Social Media For Training Object Detectors", 16th International Conference on Digital Signal Processing (DSP'09), Special Session on Social Media, 5-7 July 2009, Santorini, Greece. **(2 citations)**
- [292] A. Dimou, G. Tsoumakas, V. Mezaris, I. Kompatsiaris, I. Vlahavas, "An Empirical Study of Multi-Label Learning Methods for Video Annotation", 7th International Workshop on Content-Based Multimedia Indexing (CBMI 2009), 3-5 June 2009, Chania-Crete, Greece, pp. 19-24. **(34 citations)**
- [293] V. Koutsonikola, A. Vakali, E. Giannakidou I. Kompatsiaris, "Clustering of Social Tagging System Users: A Topic and Time Based Approach" In Proc. of the 10th International Conference on Web Information Systems Engineering (WISE 2009), Springer Verlag, pp 75-86, October 5-7, Poznan, Poland. **(4 citations)**
- [294] Jose Iria, Spiros Nikolopoulos, Martin Mozina, Alberto Lavelli, Claudio Guiliano, Lorenza Romano, Damjan Kuznar and Ioannis Kompatsiaris. Cross-Media Knowledge Extraction in the Car Manufacturing Industry. In Proceedings of the 21st International Conference on Tools with Artificial Intelligence (ICTAI 2009), New Jersey, USA, November 2-4, 2009.
- [295] V. Mezaris, S. Gidaros, I. Kompatsiaris, "Generalized concept overlay for semantic multi-modal analysis of audio-visual content", Proc. 4th International Workshop on Semantic Media Adaptation and Personalization (SMAP09), San Sebastian, Spain, December 2009, pp. 27-32.
- [296] A. Moumtzidou, A. Dimou, P. King, S. Vrochidis, A. Angeletou, V. Mezaris, S. Nikolopoulos, I. Kompatsiaris, L. Makris, "ITI-CERTH participation to TRECVID 2009 HLF and Search", Proc. TRECVID 2009 Workshop, November 2009, Gaithersburg, MD, USA.
- [297] Spiros Nikolopoulos, George Papadopoulos, Ioannis Kompatsiaris and Ioannis Patras, "An evidence-driven probabilistic inference framework for semantic image understanding", International Conference on Machine Learning and Data Mining (MLDM'09), 23-25 July 2009, Leipzig, Germany. **(1 citation)**

- [298] Spiros Nikolopoulos, Christina Lakka, Ioannis Kompatsiaris, Christos Varytimidis, Konstantinos Rapantzikos, Yannis Avrithis, "Compound document analysis by fusing evidence across media", 7th International Workshop on Content-Based Multimedia Indexing (CBMI 2009), 3-5 June 2009, Chania-Crete, Greece.
- [299] Spiros Nikolopoulos, Elisavet Chatzilari, Eirini Giannakidou and Ioannis Kompatsiaris, "Towards fully un-supervised methods for generating object detection classifiers using social data", 10th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2009), 6-8 May 2009, London, UK.
- [300] G. Th. Papadopoulos, V. Mezaris, I. Kompatsiaris and M. G. Strintzis, "Combining Multimodal and Temporal Contextual Information for Semantic Video Analysis", IEEE International Conference on Image Processing (ICIP 2009), pp. 4325-4328, Cairo, Egypt, November 2009.
- [301] G. Th. Papadopoulos, C. Saathoff, M. Grzegorzec, V. Mezaris, I. Kompatsiaris, S. Staab and M. G. Strintzis, "Comparative Evaluation of Spatial Context Techniques for Semantic Image Analysis", 10th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2009), pp. 161-164, London, UK, May 2009. **(8 citations)**
- [302] S. Papadopoulos, F. Menemenis, Y. Kompatsiaris, and B. Bratu. "Lexical Graphs for Improved Contextual Ad Recommendation". In Proceedings of the 31st European Conference on Information Retrieval (Toulouse, France, April 7 - 9, 2009). ECIR '09. **(8 citations)**
- [303] S. Papadopoulos, Y. Kompatsiaris, and A. Vakali. "Leveraging Collective Intelligence through Community Detection in Tag Networks". In Proceedings of CKCaR'09 Workshop on Collective Knowledge Capturing and Representation, Redondo Beach, California, USA (September 1, 2009). **(3 citations)**
- [304] Stergios Poularakis, Alexia Briassouli, Ioannis Kompatsiaris, "Full Action Instances for Motion Analysis", 10th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2009), London, UK, pp. 37-40, 2009.
- [305] A. Scherp, F. Schwagereit, N. Ireson, V. Lanfranchi, S. Papadopoulos, A. Kritikos, Y. Kompatsiaris, P. Smrz. "Leveraging Web 2.0 Communities in Professional Organisations". In W3C Workshop on the Future of Social Networking, 15-16 January 2009, Barcelona. **(7 citations)**
- [306] P. Sidiropoulos, V. Mezaris, I. Kompatsiaris, H. Meinedo, I. Trancoso, "Multi-Modal Scene Segmentation Using Scene Transition Graphs", Proc. ACM International Conference on Multimedia (MM09), Beijing, China, October 2009, pp. 665-668. **(11 citations)**
- [307] D. Tsatsou, F. Menemenis, I. Kompatsiaris and P. C. Davis. "A Semantic Framework for Personalized Ad Recommendation based on Advanced Textual Analysis", 3rd ACM Conference on Recommender Systems (RecSys'09), pp.217-220, NY, USA, October 2009. **(6 citations)**
- [308] G. Tsoumakas, A. Dimou, E. Spyromitros, V. Mezaris, I. Kompatsiaris, I. Vlahavas, "Correlation-Based Pruning of Stacked Binary Relevance Models for Multi-Label Learning", Proc. ECML/PKDD 2009 Workshop on Learning from Multi-Label Data (MLD'09), Bled, Slovenia, September 2009, pp. 101-116. **(50 citations)**
- [309] A. Vakali and Y. Kompatsiaris, "Detecting and Understanding Web communities", WebSci'09: Society On-Line, Athens, Greece, 18–20 March, 2009.
- [310] S. Vrochidis, P. King, L. Makris, A. Mourtzidou, S. Nikolopoulos, A. Dimou, V. Mezaris, I. Kompatsiaris, "MKLab Interactive Video Retrieval System", ACM International Conference on Image and Video Retrieval (CIVR09) - VideOlympics Showcase event, Santorini, Greece, July 2009 **(4 citations)**.
- [311] Christos N. Zigkolis, Yiannis Kompatsiaris and Athena Vakali, "Information analysis in mobile social networks for added-value services", W3C Workshop on the Future of Social Networking 2009. **(8 citations)**

2008

- [312] F. Bellotti, S. Vrochidis, E. Parissi, P. Lhoas, D. Mathevon, M. Pellegrino, G. Bo and I. Kompatsiaris, "A T-learning Courses Development and Presentation Framework", 3rd International Conference on Interactive Mobile and Computer Aided Learning, IMCL2008, April 16-18, 2008, Amman, Jordan. **(13 citations)**
- [313] A. Briassouli, I. Kompatsiaris, "Exploitation of knowledge in video recordings", ICT Solutions for Justice, Oct. 2008.
- [314] A. Briassouli, I. Kompatsiaris, "Human Activity Localization via Sequential Change Detection", ACM Multimedia-MIR 2008, Oct 27-31 2008, Vancouver, Canada.
- [315] A. Briassouli, I. Kompatsiaris, "Statistical Processing of Video for Detection of Events in Space and Time", IEEE International Conference on Multimedia and Expo (ICME), June 23-26, 2008, Hannover, Germany.
- [316] A. Briassouli, D. Matsiki, I. Kompatsiaris, "Wavelet Domain Processing for Trajectory Extraction", IEEE International Conference on Image Processing (ICIP), Oct. 12-15, 2008, San Diego, USA.
- [317] A. Briassouli, D. Matsiki, I. Kompatsiaris, " Continuous Wavelet Transform for Time-Varying Motion Extraction", International Conference on Visual Information Engineering, VIE 2008, July 29 - Aug 1, 2008, Xi'an China. **(6 citations)**
- [318] S. Dasiopoulou, I. Kompatsiaris, M.G. Strintzis, "Using Fuzzy DLs to Enhance Semantic Image Analysis", 3rd International Conference on Semantic and Digital Media Technologies (SAMT), 3-5 Dec., Koblenz, Germany, 2008. **(13 citations)**
- [319] E. Giannakidou, I. Kompatsiaris, A. Vakali, "SEMSOC: SEMantic, SOcial and Content-based Clustering in Multimedia Collaborative Tagging Systems", In Proc. 2nd IEEE International Conference on Semantic Computing (ICSC' 2008), IEEE Computer Society, pp 128-135, August 4-7, 2008 Santa Clara, CA, USA **(14 citations)**
- [320] E. Giannakidou, V. Koutsonikola, A. Vakali and I. Kompatsiaris, "Co-clustering Tags and Social Data Sources", In Proc. 9th International Conference On Web-Age Information Management (WAIM' 2008), IEEE Computer Society, pp 317-324, July 20-22, 2008, Zhangjiajie, China **(35 citations)**.
- [321] F. Menemenis, S. Papadopoulos, B. Bratu, S. Waddington, Y. Kompatsiaris, "AQUAM: Automatic Query Formulation Architecture for Mobile Applications", In Proceedings of the 6th international Conference on Mobile and Ubiquitous Multimedia (Umea, Sweden, December 3 - 5, 2008). MUM '08, ACM, New York, NY. **(2 citations)**
- [322] V. Mezaris, S. Gidaros, G. Th. Papadopoulos, W. Kasper, R. Ordelman, F.M.G. de Jong and I. Kompatsiaris, "Knowledge-assisted cross-media analysis of audio-visual content in the news domain", 6th International Workshop on Content-Based Multimedia Indexing (CBMI 2008), London, UK, June 2008, pp. 280-287.
- [323] J. Molina, V. Mezaris, P. Villegas, G. Toliás, E. Spyrou, N. Sofou, J. Rodríguez-Benito, G. Papadopoulos, S. Nikolopoulos, J. M. Martínez, I. Kompatsiaris, P. Kapsalas, A. Dimou, E. Bru, Y. Avrithis, T. Adamek, "MESH participation to TRECVID2008 HLFÉ", Proc. TRECVID 2008 Workshop, November 2008, Gaithersburg, MD, USA.
- [324] Phivos Mylonas, Vassilios Solachidis, Andreas Geyer-Schulz, Bettina Hoser, Sam Chapman, Fabio Ciravegna, Stefen Staab, Pavel Smrz, Yiannis Kompatsiaris, and Yannis Avrithis, "Efficient Media Exploitation towards Collective Intelligence", German Classification Society 32nd Annual Conference, Advances in Data Analysis, Data Handling and Business Intelligence Joint Conference with the British Classification Society (BCS) and the Dutch/Flemish Classification Society (VOC), Hamburg, July 16-18, 2008. **(1 citation)**
- [325] G. Th. Papadopoulos, T. Athanasiadis, N. Simou, R. Benmokhtar, K. Chandramouli, V. Tzouvaras, V. Mezaris, M. Phiniketos, Y. Avrithis, Y. Kompatsiaris, B. Huet and E. Izquierdo, "Combining Segmentation and Classification Techniques for Fuzzy Knowledge-based Semantic Image Annotation", 3rd International Conference on Semantics And digital Media Technologies (SAMT '08), Poster and Demos research track, Koblenz, Germany, December 2008. **(1 citations)**
- [326] G. Th. Papadopoulos, A. Briassouli, V. Mezaris, I. Kompatsiaris and M. G. Strintzis, "Semantic Video Analysis Based on Estimation and Representation of Higher-Order Motion

Statistics", 3rd International Workshop on Semantic Media Adaptation and Personalization (SMAP '08), pp. 21-26, Prague, Czech Republic, December 2008.

- [327] G.Th. Papadopoulos, V. Mezaris, I. Kompatsiaris and M.G. Strintzis, "Estimation and Representation of Accumulated Motion Characteristics for Semantic Event Detection", IEEE International Conference on Image Processing, Workshop on Multimedia Information Retrieval (ICIP-MIR 2008), San Diego, CA, USA, October 2008, pp. 41-44. **(4 citations)**
- [328] G. Th. Papadopoulos, V. Mezaris, I. Kompatsiaris and M. G. Strintzis, "Accumulated Motion Energy Fields Estimation and Representation for Semantic Event Detection", Proc. International Conference on Image and Video Retrieval (CIVR 2008), Niagara Falls, Canada, July 2008. **(9 citations)**
- [329] G. Th. Papadopoulos, K. Chandramouli, V. Mezaris, I. Kompatsiaris, E. Izquierdo and M.G. Strintzis, "A Comparative Study of Classification Techniques for Knowledge-Assisted Image Analysis", 9th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2008), pp. 4-7, Klagenfurt, Austria, May 2008. **(6 citations)**
- [330] S. Papadopoulos, A. Vakali, and I. Kompatsiaris, "Digg it Up! Analyzing Popularity Evolution in a Web 2.0 Setting", Proceedings of the Workshop on Mining Social Data (MSoDa 2008) at the 18th European Conference on Artificial Intelligence (ECAI 2008), Patras, Greece, July 2008. **(1 citations)**
- [331] Vassilios Solachidis, Phivos Mylonas, Andreas Geyer-Schulz, Bettina Hoser, Sam Chapman, Fabio Ciravegna, Stefen Staab, Costis Contopoulos, Ioanna Gkika, Pavel Smrz, Yiannis Kompatsiaris, and Yannis Avrithis, "Generating Collective Intelligence", German Classification Society 32nd Annual Conference, Advances in Data Analysis, Data Handling and Business Intelligence Joint Conference with the British Classification Society (BCS) and the Dutch/Flemish Classification Society (VOC), July 16-18, 2008, Hamburg. **(1 citation)**
- [332] E. Tsamoura, V. Mezaris, I. Kompatsiaris, "Gradual transition detection using color coherence and other criteria in a video shot meta-segmentation framework", IEEE International Conference on Image Processing, Workshop on Multimedia Information Retrieval (ICIP-MIR 2008), San Diego, CA, USA, October 2008, pp. 45-48. **(12 citations)**
- [333] E. Tsamoura, V. Mezaris, I. Kompatsiaris, "Video shot meta-segmentation based on multiple criteria for gradual transition detection", Proc. Sixth International Workshop on Content-Based Multimedia Indexing (CBMI 2008), London, UK, June 2008, pp. 51-57. **(2 citations)**
- [334] S. Vrochidis, P. King, L. Makris, A. Moumtzidou, V. Mezaris and I. Kompatsiaris, "MKLab Interactive Video Retrieval System", in the Proceedings of Conference On Image And Video Retrieval (CIVR'08), Niagra Falls, Canada, Pages: 563 - 563, ISBN: 978-1-60558-070-8, 7-9 July 2008.
- [335] P. Wilkins, D. Byrne, G. J.F.Jones, H. Lee, G. Keenan, K. McGuinness, N. E. O'Connor, N. O'Hare, A. F. Smeaton, T. Adamek, R. Troncy, A. Amin, R. Benmokhtar, E. Dumont, B. Huet, B. Merialdo, G. Tolia, E. Spyrou, Y. Avrithis, G. Th. Papadopoulos, V. Mezaris, I. Kompatsiaris, et. al., "K-Space at TRECVID 2008", Proc. TRECVID 2008 Workshop, November 2008, Gaithersburg, MD, USA **(1 citation)**.
- [336] Q. Zhang, G. Tolia, B. Mansencal, A. Saracoglu, N. Aginako, A. Alatan, L. A. Alexandre, Y. Avrithis, J. Benois-Pineau, K. Chandramouli, M. Corvaglia, U. Damjanovic, A. Dimou, E. Esen, N. Fatemi, I. Garcia, F. Guerrin, A. Hanjalic, R. Jarina, P. Kapsalas, P. King, I. Kompatsiaris, L. Makris, V. Mezaris, P. Migliorati, A. Moumtzidou, Ph. Mylonas, U. Naci, S. Nikolopoulos, M. Paralic, T. Piatrik, F. Poulin, A. M. G. Pinheiro, L. Raileanu, E. Spyrou, S. Vrochidis, "COST292 experimental framework for TRECVID 2008", Proc. TRECVID 2008 Workshop, November 2008, Gaithersburg, MD, USA. **(1 citation)**

2007

- [337] A. Briassouli, V. Mezaris, I. Kompatsiaris, "Video Segmentation and Semantics Extraction from the Fusion of Motion and Color Information", Proc. IEEE International Conference on

- Image Processing (ICIP 2007), September 2007, San Antonio, TX, USA, vol. III, pp. 365-368. **(1 citation)**
- [338] A. Briassouli, V. Mezaris, I. Kompatsiaris, "Joint Motion and Color Statistical Video Processing for Motion Segmentation", Proc. IEEE International Conference on Multimedia & Expo (ICME 2007), July 2007, Beijing, China, pp. 2014-2017. **(3 citations)**
- [339] A. Briassouli, S. Dasiopoulou, I. Kompatsiaris, "Ontology-Based Trajectory Analysis for Semantic Event Detection", 1st IEEE International Conference on Semantic Computing, Sept 17-19, Irvine, California, 2007. **(2 citations)**
- [340] S. Dasiopoulou, V. Tzouvaras, I. Kompatsiaris and M.G. Strintzis, "Capturing MPEG-7 Semantics", 2nd International Conference on Metadata and Semantics Research, 11-12 Oct., Corfu, Greece, 2007. **(3 citations)**
- [341] C. Evangelou and I. Kompatsiaris, "Exploiting Social Software to Semantically Enrich Multimedia Content for Online Communities", Proceedings 2nd International Workshop on Building Technology Enhanced Learning solutions for Communities of Practice, Crete, Greece, September 17, 2007 **(2 citations)**.
- [342] Iria, J., Uren, V., Lavelli, A., Blohm, S., Dadzie, A., Franz, T., Kompatsiaris, I., Magalhaes, J., Nikolopoulos, S., Preisach, C., and Slavazza, P. "Enhancing enterprise knowledge processes via cross-media extraction", In Proceedings of the 4th international Conference on Knowledge Capture (Whistler, BC, Canada, October 28 - 31, 2007). D. Sleeman and K. Barker, Eds. K-CAP '07. ACM, New York, NY, 175-176, 2007. **(1 citations)**
- [343] M. Giereth, S. Koch, Y. Kompatsiaris, S. Papadopoulos, E. Pianta, L. Serafini, L. Wanner, "A Modular Framework for Ontology-based Representation of Patent Information", JURIX 2007: The 20th Anniversary International Conference on Legal Knowledge and Information Systems, Leyden, Netherlands. **(13 citations)**
- [344] M. Papadogiorgaki, V. Papastathis, E. Nidelkou, Y. Kompatsiaris, S. Waddington, B. Bratu, M. Ribiere, "Distributed User Modeling for Personalized News Delivery in Mobile Devices", 2nd International Workshop on Semantic Media Adaptation and Personalization (SMAP07), December 17-18, 2007, London, United Kingdom. **(4 citations)**
- [345] M. Papadogiorgaki, V. Mezaris, Y. S. Chatzizisis, G. D. Giannoglou and I. Kompatsiaris, "Automated IVUS contour detection using intensity features and Radial Basis Function approximation", 20th IEEE International Symposium on Computer-Based Medical Systems (CBMS 2007), pp. 183-188, June 20-22, 2007, Maribor, Slovenia. **(6 citations)**
- [346] G. Th. Papadopoulos, V. Mezaris, I. Kompatsiaris and M. G. Strintzis: "Combining Content and Context Information for Semantic Image Analysis and Classification", 15th European Signal Processing Conference (EUSIPCO 2007), special session on The Semantic Gap in Visual Information Retrieval, 3-7 September 2007, Poznan, Poland.
- [347] G. Th. Papadopoulos, V. Mezaris, I. Kompatsiaris and M. G. Strintzis, "Ontology-Driven Semantic Video Analysis Using Visual Information Objects", Proc. Second International Conference on Semantics and Digital Media Technologies (SAMT 2007), pp. 56-69, Genova, Italy, December 2007. **(4 citations)**
- [348] S. Vrochidis, C. Doulaverakis, L. Makris, A. Gounaris, E. Nidelkou, I. Kompatsiaris and M.G. Strintzis: "Hybrid Ontology and Visual-based Retrieval for Cultural Heritage Multimedia Libraries", 14th International Conference of Image Analysis and Processing - Workshops, 10-13 September 2007, Modena, Italy. **(1 citation)**
- [349] S. Vrochidis, C. Doulaverakis, A. Gounaris, E. Nidelkou, L. Makris and I. Kompatsiaris, "A Hybrid Ontology and Visual-based Retrieval Model for Cultural Heritage Multimedia Collections", in Proceedings of 2nd International Conference on Metadata and Semantics Research, Metadata and Semantics, Springer US, ISBN 978-0-387-77745-0, pp. 1-10, 11-12 October, Corfu, Greece, 2007. **(1 citations)**
- [350] S. Vrochidis, V. Mezaris and I. Kompatsiaris, "ITI interactive video retrieval system", Conference On Image And Video Retrieval, Proceedings of the 6th ACM international, Amsterdam, The Netherlands Pages: 648 - 648, ISBN:978-1-59593-733-9, July 2007. **(1 citation)**
- [351] P. Wilkins, T. Adamek, D. Byrne, G. J.F.Jones, H. Lee, G. Keenan, K. McGuinness, N. E. O'Connor, A. F. Smeaton, A. Amin, Z. Obrenovic, R. Benmokhtar, E. Galmar, B. Huet, S.

Essid, R. Landais, F. Vallet, G. Papadopoulos, S. Vrochidis, V. Mezaris, I. Kompatsiaris, E. Spyrou, Y. Avrithis, R. Morzinger, P. Schallauer, W. Bailer, T. Piatrik, K. Chandramouli, E. Izquierdo, M. Haller, L. Goldmann, A. Samour, A. Cobet, T. Sikora, P. Praks, "K-Space at TRECVID 2007", TRECVID 2007 Workshop, November 2007, Gaithersburg, MD, USA. **(2 citations)**

- [352] Q. Zhang, K. Chandramouli, U. Damnjanovic, T. Piatrik, E. Izquierdo, M. Corvaglia, N. Adami, R. Leonardi, G. Yakın, S. Aksoy, U. Naci, A. Hanjalic, S. Vrochidis, A. Moutzidou, S. Nikolopoulos, V. Mezaris, L. Makris, I. Kompatsiaris, B. Mansencal, J. Benois-Pineau, E. Esen, A. Alatan, E. Spyrou, P. Kapsalas, G. Talias, P. Mylonas, Y. Avrithis, B. Reljin, G. Zajic, A. M. G. Pinheiro, L. A. Alexandre, P. Almeida, R. Jarina, M. Kuba, N. Aginako, J. Goya. "The COST292 experimental framework for TRECVID 2007", TRECVID 2007 Workshop, November 2007, Gaithersburg, MD, USA. **(1 citation)**

2006

- [353] J. Calic, P. Kramer, U. Naci, S. Vrochidis, S. Aksoy, Q. Zhang, J. Benois-Pineau, A. Saracoglu, C. Doulaverakis, R. Jarina, N. Campbell, V. Mezaris, I. Kompatsiaris, E. Spyrou, G. Koumoulos, Y. Avrithis, A. Dalkilic, A. Alatan, A. Hanjalic, E. Izquierdo: "COST292 experimental framework for TRECVID 2006", 4th TRECVID Workshop, Gaithersburg, USA, November 2006.
- [354] S. Dasiopoulou, G. Th. Papadopoulos, Ph. Mylonas, Y. Avrithis and I. Kompatsiaris, "Using Context and a Genetic Algorithm for Knowledge-Assisted Image Analysis" , 1st International Conference on Semantics And digital Media Technologies (SAMT, formerly EWIMT), Athens, Greece, 2006.
- [355] C. Doulaverakis, E. Nidelkou, A. Gounaris, Y. Kompatsiaris: "A Hybrid Ontology and Content-Based Search Engine For Multimedia Retrieval", 10th East-European Conference on Advances in Databases and Information Systems, ADBIS 2006, Thessaloniki, Hellas, 3-7 September, 2006. **(6 citations)**
- [356] P. Hobson, Y. Kompatsiaris, "Advances in semantic multimedia analysis for personalised content access", Special Session on Advances in Semantic Multimedia Analysis for Personalised Content Access, 2006 IEEE International Symposium on Circuits and Systems (ISCAS 2006), Kos Island, Greece, 21 - 24 May 2006. **(2 citations)**
- [357] V. Mezaris, N. Boulgouris, I. Kompatsiaris, "Knowledge-Assisted Video Analysis for Content-Adaptive Coding and Transmission", Proc. 1st International Workshop on Semantic Media Adaptation and Personalization (SMAP06), Athens, Greece, pp. 86-90, December 2006. **(2 citations)**
- [358] P. Panagi, S. Dasiopoulou, G. Th. Papadopoulos, I. Kompatsiaris, M. G. Strintzis: "A Genetic Algorithm Approach to Ontology-Driven Semantic Image Analysis", 3rd IEEE International Conference of Visual Information Engineering (VIE), K-Space Research on Semantic Multimedia Analysis for Annotation and Retrieval special session, Bangalore, India, 2006. **(8 citations)**
- [359] M. Papadogiorgaki, V. Mezaris, Y. S. Chatzizisis, I. Kompatsiaris, G. D. Giannoglou and M. G. Strintzis, "A Fully Automated Texture-based Approach for the Segmentation of Sequential IVUS Images", Proc. 13th International Conference on Systems, Signals and Image Processing (IWSSIP 2006), September 2006, Budapest, Hungary, pp. 461-464. **(11 citations)**
- [360] G. Th. Papadopoulos, V. Mezaris, S. Dasiopoulou and I. Kompatsiaris, "Semantic image analysis using a learning approach and spatial context" , 1st international conference on Semantics And digital Media Technologies (SAMT, formerly EWIMT), special session on Context-based Multimedia Analysis and Representation, Athens, Greece, 6-8 December, 2006. **(16 citations)**
- [361] G. Th. Papadopoulos, P. Panagi, S. Dasiopoulou, V. Mezaris and I. Kompatsiaris: "A Learning Approach to Semantic Image Analysis", 2nd International Mobile Multimedia Communications Conference (Mobimedia, formerly MSAN), K-Space special session on

- Automatic Annotation and Retrieval of Multimedia Content, Alghero, Sardinia, Italy, September 2006. **(2 citations)**
- [362] Parissi, E., Kompatsiaris, Y., Chatzizisis, Y.S., Koutkias, V., Maglaveras, N., Strintzis, M.G., Giannoglou, G.D., "An automated model for rapid and reliable segmentation of intravascular ultrasound images", Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 4345 LNBI, pp. 368-377, 2006. **(1 citation)**
- [363] K. Petridis, D. Anastasopoulos, C. Saathoff, N. Timmermann, I. Kompatsiaris and S. Staab: "M-OntoMat-Annotizer: Image Annotation Linking Ontologies and Multimedia Low-Level Features", Engineered Applications of Semantic Web Session (SWEA) at the 10th International Conference on Knowledge-Based & Intelligent Information & Engineering Systems (KES 2006), Bournemouth, U.K., October 2006. **(60 citations)**
- [364] C. Saathoff, K. Petridis, D. Anastasopoulos, N. Timmermann, I. Kompatsiaris and S. Staab: "M-OntoMat-Annotizer: Linking Ontologies with Multimedia Low-Level Features for Automatic Image Annotation", Demos and Posters of the 3rd European Semantic Web Conference, ESWC 2006, Budva, Montenegro, June 2006. **(8 citations)**

2005

- [365] T. Athanasiadis, V. Tzouvaras, K. Petridis, F. Precioso, Y. Avrithis and I. Kompatsiaris: "Using a Multimedia Ontology Infrastructure for Semantic Annotation of Multimedia Content", 5th International Workshop on Knowledge Markup and Semantic Annotation (SemAnnot 2005) at the 4th International Semantic Web Conference, ISWC 2005, Galway, Ireland, Nov. 2005. **(26 citations)**
- [366] S. Bloehdorn, K. Petridis, C. Saathoff, N. Simou, V. Tzouvaras, Y. Avrithis, S. Handschuh, I. Kompatsiaris, S. Staab, and M. G. Strintzis: "Semantic Annotation of Images and Videos for Multimedia Analysis", Proc. 2nd European Semantic Web Conference, ESWC 2005, Heraklion, Greece, May 2005. **(140 citations)**
- [367] J. Calic, N. Campbell, S. Dasiopoulou, Y. Kompatsiaris: "An Overview of Multimodal Video Representation for Semantic Analysis", European Workshop on the Integration of Knowledge, Semantics and Digital Media Technologies, EWIMT 2005, London, UK, November 30 - December 1, 2005. **(12 citations)**
- [368] J. Calic, N. Campbell, S. Dasiopoulou, Y. Kompatsiaris, "A Survey on Multimodal Video Representation for Semantic Retrieval", Third International Conference on 'Computer as a tool' (Eurocon 2005), pp. 135-138, November 2005. **(18 citations)**
- [369] C. Doulaverakis, Y. Kompatsiaris, M.G. Strintzis: "Ontology-Based Access to Multimedia Cultural Heritage Collections - The REACH Project", EUROCON 2005, Sava Center, Belgrade, Serbia & Montenegro, November 21-24, 2005. **(12 citations)**
- [370] GD. Giannoglou, IS Hatzizisis, VG Koutkias, I. Kompatsiaris, P. Diamantopoulos, N. Maglaveras, GE. Parcharidis, GE. Louridas, "Validation of a new semi-automatic method for lumen and media-adventitia borders detection in sequential intravascular ultrasound images", European Society of Cardiology Congress 2005, 3-7 September 2005, Stockholm, Sweden.
- [371] I.S. Hatzizisis, V.G. Koutkias, I. Kompatsiaris, G. Karpetas, M.G. Strintzis, N. Maglaveras, G.D. Giannoglou, "An Active Contour Model Approach for Segmentation of Intravascular Ultrasound Image Sequences", Proc. 32nd International Conference on Computers in Cardiology, Lyon, September 2005.
- [372] V. Mezaris, H. Doulaverakis, S. Herrmann, B. Lehane, N. O'Connor, I. Kompatsiaris, W. Stechele, and M. G. Strintzis, "An Extensible Modular Common Reference System for Content-based Information Retrieval: the SCHEMA Reference System", Proc. Fourth International Workshop on Content-Based Multimedia Indexing (CBMI05), Riga, Latvia, June 2005. **(2 citations)**
- [373] V. Mezaris, H. Doulaverakis, S. Herrmann, B. Lehane, N. O'Connor, I. Kompatsiaris, and M. G. Strintzis, "The SCHEMA Reference System: An Extensible Modular System for

- Content-based Information Retrieval", Proc. Workshop on Image Analysis For Multimedia Interactive Services (WIAMIS), April 2005, Montreux, Switzerland. **(4 citations)**
- [374] S. Papadopoulos, V. Mezaris, I. Kompatsiaris, and M. G. Strintzis, "A Region-based Approach to Conceptual Image Classification", Proc. IEE International Conference on Visual Information Engineering (VIE 2005), April 2005, Glasgow, UK. **(1 citation)**
- [375] K. Petridis, F. Precioso, T. Athanasiadis, Y. Avrithis and I. Kompatsiaris, "Combined Domain Specific and Multimedia Ontologies for Image Understanding", Workshop on Mixed-reality as a Challenge to Image Understanding and Artificial Intelligence at the 28th German Conference on Artificial Intelligence, KI 2005, Koblenz, Germany, Sep. 2005. **(3 citations)**
- [376] N. Simou, C. Saathoff, S. Dasiopoulou, E. Spyrou, N. Voisine, V. Tzouvaras, I. Kompatsiaris, Y. Avrithis and S. Staab: "An Ontology Infrastructure for Multimedia Reasoning", Proc. International Workshop on Very Low Bitrate Video Coding (VLBV 2005), Sardinia, Italy, September 2005. **(19 citations)**
- [377] V. Tzouvaras, S. Dasiopoulou, F.M. Recuerda, G. Stoilos, Y. Kompatsiaris, G. Stamou, "Multimedia Analysis and Annotation Requirements for the Semantic Web", European Workshop on the Integration of Knowledge, Semantics and Digital Media Technologies, EWIMT 2005, London, UK, November 30 - December 1, 2005.
- [378] S. Valette, I. Kompatsiaris and M. G. Strintzis, "A polygonal mesh partitioning algorithm based on protrusion conquest for perceptual 3D shape description", Workshop towards Semantic Virtual Environments SVE 2005, Villars, CH, March 16-18, 2005, pp. 68-76. **(6 citations)**
- [379] S. Valette, I. Kompatsiaris, and J.-M. Chassery, "Adaptive Polygonal Mesh Simplification with Discrete Centroidal Voronoi Diagrams," Proc. Second Int'l Conf. Machine Intelligence (ICMI '05), pp. 655-662, 2005. **(4 citations)**
- [380] P. Villegas, N. Sarris, J. Picault, I. Kompatsiaris "Creating a MESH of Multimedia News Feeds", European Workshop on the Integration of Knowledge, Semantics and Digital Media Technologies, EWIMT 2005, London, UK, November 30 - December 1, 2005. **(2 citations)**
- [381] N. Voisine, S. Dasiopoulou, F. Precioso, V. Mezaris, I. Kompatsiaris and M.G. Strintzis, "A Genetic Algorithm-based Approach to Knowledge-assisted Video Analysis", Proc. IEEE International Conference on Image Processing (ICIP 2005), Genova, September 2005. **(6 citations)**
- [382] N. Voisine, S. Dasiopoulou, V. Mezaris, E. Spyrou, T. Athanasiadis, I. Kompatsiaris, Y. Avrithis, and M. G. Strintzis, "Knowledge-Assisted Video Analysis Using a Genetic Algorithm", Proc. Workshop on Image Analysis For Multimedia Interactive Services (WIAMIS), April 2005, Montreux, Switzerland. **(5 citations)**
- 2004**
- [383] S. Dasiopoulou, V. K. Papastathis, V. Mezaris, I. Kompatsiaris, and M. G. Strintzis, "An Ontology Framework For Knowledge-Assisted Semantic Video Analysis and Annotation", Proc. 4th International Workshop on Knowledge Markup and Semantic Annotation (SemAnnot 2004) at the 3rd International Semantic Web Conference (ISWC 2004), November 2004, Hiroshima, Japan. **(23 citations)**
- [384] G. D. Giannoglou, I. S. Hatzizisis, D. Tsikaderis, J. V. Soulis, I. Kompatsiaris, G. E. Parcharides, G. E. Louridas, "In vivo, accurate three-dimensional reconstruction of human coronary arteries by fusion of intravascular ultrasound and biplane coronary angiography", EUROECHO 8 Meeting, 1-4 December 2004, Athens, Greece. **(5 citations)**
- [385] I. Kompatsiaris, Y. Avrithis, P. Hobson, T. May, J. Tromp, "Achieving Integration of Knowledge and Content Technologies: The AceMedia Project", European Workshop on the Integration of Knowledge, Semantics and Digital Media Technology, Royal Statistical Society, London, 25-26 Nov. 2004. **(1 citation)**
- [386] I. Kompatsiaris, Y. Avrithis, P. Hobson and M. G. Strintzis, "Integrating Knowledge, Semantics and Content for User-Centred Intelligent Media Services: the aceMedia Project",

- Proc. Workshop on Image Analysis For Multimedia Interactive Services (WIAMIS), April 2004, Lisbon, Portugal. **(27 citations)**
- [387] V. Mezaris, I. Kompatsiaris, and M. G. Strintzis, "A knowledge-based approach to domain-specific compressed video analysis", Proc. IEEE International Conference on Image Processing (ICIP 2004), Singapore, October 2004, pp. 341-344. **(4 citations)**
- [388] V. Mezaris, H. Doulaverakis, R. Medina Beltran de Ojalora, S. Herrmann, I. Kompatsiaris, and M. G. Strintzis, "Combining multiple segmentation algorithms and the MPEG-7 eXperimentation Model in the Schema Reference System", Proc. 8th International Conference on Information Visualization (IV2004), July 2004, London, UK, pp. 253-258 **(5 citations)**.
- [389] V. Mezaris, H. Doulaverakis, S. Herrmann, B. Lehane, N. O'Connor, I. Kompatsiaris, and M. G. Strintzis, "Combining Textual and Visual Information Processing for Interactive Video Retrieval: SCHEMA's Participation in TRECVID 2004", TRECVID 2004 Workshop, November 2004, Gaithersburg, MD, USA. **(9 citations)**
- [390] V. Mezaris, H. Doulaverakis, R. Medina Beltran de Ojalora, S. Herrmann, I. Kompatsiaris, and M. G. Strintzis, "A test-bed for region-based image retrieval using multiple segmentation algorithms and the MPEG-7 eXperimentation Model: The Schema Reference System", Proc. 3rd International Conference on Image and Video Retrieval (CIVR2004), July 2004, Dublin, Ireland, Springer LNCS vol. 3115, pp. 592-600. **(14 citations)**
- [391] V. Mezaris, I. Kompatsiaris, and M. G. Strintzis, "Compressed-domain object detection for video understanding", Proc. Workshop on Image Analysis For Multimedia Interactive Services (WIAMIS), April 2004, Lisbon, Portugal. **(9 citations)**
- [392] K. Petridis, I. Kompatsiaris, M. G. Strintzis, S. Bloehdorn, S. Handschuh, S. Staab, N. Simou, V. Tzouvaras and Y. Avrithis, "Knowledge Representation for Semantic Multimedia Content Analysis and Reasoning", European Workshop on the Integration of Knowledge, Semantics and Digital Media Technology, Royal Statistical Society, London, 25-26 Nov. 2004. **(39 citations)**
- [393] A. Ukovich, G. Ramponi, H. Doulaverakis, and I. Kompatsiaris, "Shredded document reconstruction using MPEG-7 standard descriptors", Proc. 4th IEEE Symposium on Signal Processing and Information Technology (ISSPIT 2004), December 2004, Rome, Italy. **(24 citations)**
- 2003**
- [394] E. Izquierdo, J. R. Casas, R. Leonardi, P. Migliorati, Noel E. O'Connor, I. Kompatsiaris and M. G. Strintzis, "Advanced Content-Based Semantic Scene Analysis and Information Retrieval: The SCHEMA project", Proc. Workshop on Image Analysis For Multimedia Interactive Services (WIAMIS), London, UK, April 2003. **(4 citations)**
- [395] V. Mezaris, I. Kompatsiaris, and M. G. Strintzis, "An Ontology Approach to Object-Based Image Retrieval", Proc. IEEE International Conference on Image Processing (ICIP 2003), Barcelona, Spain, vol. II, pp. 511-514, September 2003. **(103 citations)**
- [396] V. Mezaris, I. Kompatsiaris, E. Kokkinou and M. G. Strintzis, "Real-time compressed-domain spatiotemporal video segmentation", Proc. Third International Workshop on Content-Based Multimedia Indexing (CBMI03), Rennes, France, pp. 373-380, September 22-24, 2003. **(7 citations)**
- [397] V. Mezaris, I. Kompatsiaris, and M. G. Strintzis, "Still image objective segmentation evaluation using ground truth", Proc. Fifth COST 276 Workshop on Information and Knowledge Management for Integrated Media Communication, Prague, Czech Republic, pp. 9-14, October 2-3, 2003. **(30 citations)**
- [398] V. Mezaris, I. Kompatsiaris, and M. G. Strintzis, "Ontologies for Object-based Image Retrieval", Proc. Workshop on Image Analysis For Multimedia Interactive Services (WIAMIS), London, UK, pp. 96-101, April 2003. **(3 citations)**
- [399] V. Mezaris, N. V. Boulgouris, I. Kompatsiaris, D. Simitopoulos, and M. G. Strintzis, "Segmentation and Content-based Watermarking for Image Indexing", Proc. Fourth COST

- 276 Workshop on Information and Knowledge Management for Integrated Media Communication, Bordeaux, France, pp. 13-18, March 31 - April 1, 2003. **(1 citation)**
- [400] N. O'Connor, S. Sav, T. Adamek, V. Mezaris, I. Kompatsiaris, T. Y. Lu, E. Izquierdo, C. Bennström, and J. Casas, "Region and object segmentation algorithms in the Qimera segmentation platform", Proc. Third International Workshop on Content-Based Multimedia Indexing (CBMI03), Rennes, France, pp. 381-388, September 22-24, 2003. **(15 citations)**

2002

- [401] I. Kompatsiaris, E. Triantafyllou and M. G. Strintzis, "A World Wide Web Region-based Image Search Engine", 2002 International Tyrrhenian Workshop on Digital Communications, IWDC 2002, September 8th - 11th, 2002, Palazzo dei Congressi, Capri, ITALY.
- [402] V. Mezaris, I. Kompatsiaris, and M. G. Strintzis, "A Framework for the Efficient Segmentation of Large-format Color Images", Proc. IEEE International Conference on Image Processing (ICIP 2002), Rochester, NY, vol. I, pp. 761-764, September 2002. **(5 citations)**
- [403] V. Mezaris, I. Kompatsiaris, and M. G. Strintzis, "Still Image Segmentation Tools for Content-based Multimedia Applications", Proc. 2002 Tyrrhenian International Workshop on Digital Communications (IWDC 2002), pp. 273-279. **(3 citations)**

2001

- [404] N. V. Boulgouris, I. Kompatsiaris, V. Mezaris, and M. G. Strintzis, "Content-based Watermarking for Indexing Using Robust Segmentation", Proc. Workshop on Image Analysis For Multimedia Interactive Services (WIAMIS), May 2001, Tampere, Finland.
- [405] P. Daras, I. Kompatsiaris, T. Raptis and Michael G. Strintzis, "MPEG-4 Authoring Tool for the Composition of 3D Audiovisual Scenes", 2001 IEEE International Symposium on Circuits and Systems (ISCAS 2001), May 6 - 9, 2001, Sydney, Australia. **(9 citations)**
- [406] P. Daras, I. Kompatsiaris, T. Raptis and Michael G. Strintzis, "Authoring Tool for the Composition of 3D Audiovisual Scenes Using the MPEG-4 Standard", Digital and Computational Video (DCV'01), February 9, 2001, Tampa, Florida, U.S.A. **(4 citations)**
- [407] I. Kompatsiaris, E. Triantafyllou and M. G. Strintzis, "Region-Based Color Image Indexing and Retrieval", 2001 International Conference on Image Processing (ICIP2001), Thessaloniki, Greece, October 7-10, 2001. **(22 citations)**
- [408] I. Kompatsiaris, E. Triantafyllou and M. G. Strintzis, "A World Wide Web Region-Based Image Search Engine", 11th International Conference on Image Analysis and Processing (ICIAP 2001), September 26-28, 2001, Palermo, Italy. **(13 citations)**
- [409] I. Kompatsiaris and M. G. Strintzis, "Content-Based Representation of Colour Image Sequences", IEEE International Conference on Acoustics, Speech, and Signal Processing 2001 (ICASSP 2001), May 7-11, 2001, Salt Lake City. **(6 citations)**
- [410] I. Kompatsiaris, D. Tzovaras, V. Koutkias and M. G. Strintzis, "Deformable Boundary Detection of Stents in Angiographic Images", XVI MIE Congress, August 27 - September 1, 2000, Hannover, Germany.
- [411] I. Kompatsiaris and M. G. Strintzis, "Hierarchical Representation and Coding of Surfaces Using 3D Polygon Meshes", IEEE International Conference on Image Processing 2000 (ICIP 2000), Vancouver, BC, Canada, September 10 - 13, 2000. (invited paper)
- [412] Panagiotis Dafas, Ioannis Kompatsiaris and Michael G. Strintzis, "Optimal Hierarchical Adaptive Mesh Construction Using FCO Sampling", International Conference on Information Visualisation, London, England, 19 -21 July 2000.
- [413] I. Kompatsiaris, Michael G. Strintzis and I. Orfanos, "Using Asymmetric Digital Subscriber Line (ADSL) for Fast Internet and Multimedia Services", IEEE International Conference on Consumer Electronics 2000 (ICCE 2000), June 13-15, 2000, Los Angeles, CA, USA. **(2 citations)**

- [414] I. Kompatsiaris, G. Mantzaras and M. G. Strintzis, "Spatiotemporal Segmentation and Tracking of Objects in Color Image Sequences", 2000 IEEE International Symposium on Circuits and Systems (ISCAS 2000), Geneva, Switzerland, May, 2000. **(6 citations)**
- [415] I. Kompatsiaris, D. Tzovaras and M. G. Strintzis, "Hierarchical Representation of Surfaces Using 3D Wireframes", The 8-th International Conference in Central Europe on Computer Graphics, Visualization and Interactive Digital Media'2000, Plzen, Czech Republic, February 2000. **(1 citation)**

1999

- [416] I. Kompatsiaris and M.G. Strintzis, "Spatiotemporal Segmentation and Tracking of Objects in Image Sequences", IEEE International Conference on Image Processing '99 (ICIP'99), Kobe, Japan, October 25-28, 1999. **(9 citations)**
- [417] M.G. Strintzis and I. Kompatsiaris, "Using 3D Models for the Segmentation of Image Sequences", IEEE International Conference on Image Processing '99 (ICIP'99), Kobe, Japan, October 25-28, 1999. (invited paper) **(1 citation)** I. Kompatsiaris, V. K. Papastathis and Michael G. Strintzis, "An Authoring Tool for the Composition of MPEG-4 Audiovisual Scenes", International Workshop on Synthetic-Natural Hybrid Coding and Three-Dimensional (3D) Imaging, Santorini, Greece, September 15-17, 1999.
- [418] I. Kompatsiaris, D. Simitopoulos and Michael G. Strintzis, "A VRML-Java Framework for 3-D Objects Streaming over the Internet", International Workshop on Synthetic-Natural Hybrid Coding and Three-Dimensional (3D) Imaging, Santorini, Greece, September 15-17, 1999.
- [419] I. Kompatsiaris, Michael G. Strintzis and I. Orfanos, "Asymmetric Digital Subscriber Line (ADSL) for High Bitrate Multimedia Applications", International Workshop on Synthetic-Natural Hybrid Coding and Three-Dimensional (3D) Imaging, Santorini, Greece, September 15-17, 1999.
- [420] I. Kompatsiaris and M.G. Strintzis, "Spatiotemporal Segmentation and Tracking of Objects for Visualization of Videoconference Image Sequences", in IEEE International Conference on Multimedia Computing and Systems (ICMCS '99), Florence, Italy, June 7-11, 1999.
- [421] I. Kompatsiaris and M.G. Strintzis, "Higher Order Segmentation and Tracking of Objects for Visualization of Videoconference Image Sequences", Workshop on Image Analysis for Multimedia Interactive Services 1999 (WIAMIS'99), Berlin, Germany, May 31, June 1, 1999.
- [422] I. Kompatsiaris, D. Tzovaras and M.G. Strintzis, "Object Articulation Based on Local 3D Motion Estimation", European Conference on Multimedia Applications, Services and Techniques (ECMAST'99), Madrid, Spain, May 26-28, 1999. **(2 citations)**
- [423] M. G. Strintzis, S. Malassiotis, I. Kompatsiaris, "Digital signal processing for the analysis and coding of stereoscopic and 3D video", Proceedings of SPIE Vol. 3639 Stereoscopic Displays and Virtual Reality Systems VI, San Jose, January 23-29, 1999. (invited paper) '

1998

- [424] I. Kompatsiaris, D. Tzovaras and M.G. Strintzis, "3D Model Based Segmentation of Videoconference Image Sequences", IEEE International Conference on Image Processing '98 (ICIP'98), Chicago, Illinois, USA, October 4-7, 1998.
- [425] I. Kompatsiaris and M.G. Strintzis, "Visualisation of Videoconference Image Sequences Using VRML 2.0", IX European Signal Processing Conference, September 8 - 11, 1998, Island of Rhodes, Greece.
- [426] I. Kompatsiaris, D. Tzovaras and M.G. Strintzis, "3D Model Based Analysis and Segmentation of Videoconference Image Sequences", IEEE Image and Multi-dimensional Digital Signal Processing (IMDSP) Workshop 1998, Alpbach, Austria, July 12-16, 1998.
- [427] I. Kompatsiaris and M.G. Strintzis, "Coding of Videoconferencing Image Sequences Using the MPEG-4 Standard", in International Conference on Telecommunications (ICT '98), Porto Carras, Greece, June 22-25, 1998.

- [428] I. Kompatsiaris and M.G. Strintzis, "3D Representation of Videoconference Image Sequences Using VRML 2.0", European Conference on Multimedia Applications, Services and Techniques (ECMAST'98), pp. 3-12, Berlin-Germany, 26-28 May 1998.
- [429] I. Kompatsiaris, D. Tzovaras and M.G. Strintzis, "3D Model Based Non-Rigid Motion Estimation for Multiview Image Sequences Compression", in Visual Communications and Image Processing '98, San Jose, USA, January 24-30, 1998.
- [430] I. Kompatsiaris, D. Tzovaras and M.G. Strintzis, "Model Based Tracking of 3D Deformations in Multiview Image Sequences", IEEE International Workshop on MODEL-BASED 3D IMAGE ANALYSIS (in conjunction with ICCV'98), Mumbai, India, January 3, 1998.
- [431] D. Tzovaras, I. Kompatsiaris and M.G. Strintzis, "3D Object Articulation and Motion Estimation for Efficient Multiview Image Sequence Coding" in IEEE International Conference on Image Processing (ICIP'97), Santa Barbara, October 26-29, 1997. (3 citations)

1997

- [432] I. Kompatsiaris and M.G. Strintzis, "Automatic 3D Model Construction for Rigid 3D Motion Estimation of Monocular Videoconference Image Sequences" in International Workshop on Synthetic Natural Hybrid Coding and Three Dimensional Imaging (IWSNHC3DI'97), pp. 44-47, Rhodes, September 5-9, 1997.
- [433] I. Kompatsiaris, D. Tzovaras and M.G. Strintzis, "Tracking of Deformable Surfaces in Multiview Image Sequence Coding" in 13th IEEE International Conference on Digital Image Processing (DSP'97), Vol I, pp. 417-420, Santorini, July 1-3, 1997.
- [434] I. Kompatsiaris, D. Tzovaras and M.G. Strintzis, "Use of Object Articulation and Motion Estimation for Video Production", Proceedings Second European Conference on Multimedia Applications Services and Techniques (ECMAST'97), pp. 345-357, Milan, May 21-23, 1997.
- [435] I. Kompatsiaris, D. Tzovaras and M.G. Strintzis, "3D Motion Estimation and Object Articulation in Model-Based Stereoscopic Videoconference Image Sequence Coding", Proceedinds 2nd Erlangen Symposium on ADVANCES IN DIGITAL IMAGE COMMUNICATION, pp. 123-132, Erlangen, April 25, 1997.

1. Appendix

Reviewer and Member of the Program/Technical Committee:

- 6th International Conferences on Advances in Multimedia (MMEDIA 2014), Nice, France, Feb. 23 - 27, 2014.
- 20th International Conference on MultiMedia Modeling (MMM 2014), Jan 8-10, Dublin, Ireland, 2014.
- 17th Panhellenic Conference on Informatics (PCI 2013), Thessaloniki, Greece, Sept. 19-21, 2013.
- 1st International Workshop on Media fragment creation and reMIXing (MMIX 2013), San Jose, California, USA, Jul 15-19, 2013.
- 14th International Workshop on Image and Audio Analysis for Multimedia Interactive Services (WIAMIS 2013), Paris, France, July 3-5, 2013.
- 4th International Workshop on Future Television (FutureTV 2013), Como, Italy, June 24, 2013.
- 11th International Workshop on Content-Based Multimedia Indexing (CBMI 2013), Veszprém, Hungary, June 17-19, 2013.
- 3rd International Conference on Web Intelligence, Mining and Semantics (WIMS 2013), Madrid, Spain, June 12-14, 2013.
- 38th International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2013), Vancouver, Canada, May 26-31, 2013.
- 3rd Workshop on Usage Analysis and the Web of Data (USEWOD 2013), Montpellier, France, May 26, 2013.
- International Workshop on Mining Social Network Dynamics (MSND 2013 @ WWW 2013), Rio de Janeiro, Brazil, May 13, 2013.
- 1st Worldwide Web Workshop on Linked Media (LiME-2013), Rio de Janeiro, Brazil, May 13, 2013.
- 5th International Conferences on Advances in Multimedia (MMEDIA 2013), Venice, Italy, April 21 - 26, 2013.
- 39th International Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM 2013), Špindlerův Mlýn, Czech Republic, Jan. 26–31, 2013.
- 19th International Conference on Multimedia Modeling (MMM 2013), Huangshan, China, Jan. 7-9, 2013.
- 21st conference of the International Association for Pattern Recognition (ICPR 2012), Tsukuba, Japan, Nov. 11-15, 2012.
- International ACM Workshop on Crowdsourcing for Multimedia (CrowdMM 2012), Nara, Japan, Oct. 29 - Nov. 2, 2012.
- ACM International Workshop on Multimedia Analysis for Ecological Data (MAED 2012), Nara, Japan, Nov. 2, 2012.
- International Workshop on Socially-Aware Multimedia (SAM 2012), Nara, Japan, Oct. 29, 2012.
- 20th ACM Multimedia (ACMMM 2013), Nara, Japan, Oct. 29 - Nov. 2, 2012.
- 2012 Workshop on Information Fusion in Computer Vision for Concept Recognition (IFCVCR 2012), ECCV 2012, Firenze, Italy, Oct. 13, 2012.

- 2012 Workshop on Web-scale Vision and Social Media (ECCV 2012), Firenze, Italy, Oct. 7, 2012.
- 1st International Workshop on Socially Intelligent Computing (SINCOM 2012), Rome, Italy, Sept. 13 - 14, 2012.
- 2012 OnTheMove Federated Conferences and Workshops (OTM 2012), Rome, Italy, Sept. 13-14, 2012.
- 2nd International Workshop on Computer Game and its Applications (ComGame 2012), Gwangju, Korea, September 6-8, 2012.
- 6th International Conference on Multimedia and Ubiquitous Engineering (MUE 2012), Madrid, Spain, July 11-13 July 2012.
- 2012 IET Image Processing Conference (IET 2012), London, UK, July 3-4, 2012.
- 7th FTRA International Conference on Future Information Technology (FutureTech 2012), Vancouver, Canada, June 26-28, 2012.
- 9th IASTED International Conference on Signal Processing, Pattern Recognition and Applications (SPPRA 2012), Crete, Greece, June 18 – 20, 2012.
- 2nd International Conference on Web Intelligence, Mining and Semantics (WIMS'12), Craiova, Romania, June 6 -8, 2012.
- 7th Hellenic Conference on Artificial Intelligence (SETN 2012), Lamia, Greece, May 28-31, 2012.
- 13th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2012), Dublin, Ireland, May 23-25, 2012.
- 4th International Conferences on Advances in Multimedia (MMEDIA 2012), Chamonix / Mont Blanc, France, April 29 - May 4, 2012.
- 2nd International Workshop on Usage Analysis and the Web of Data (USEWOD2012), Lyon, France, April 17, 2012.
- IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2012), Kyoto, Japan, March 25-30, 2012.
- 18th International Conference on MultiMedia Modeling (MMM 2012), Klagenfurt, Austria, Jan. 4-6, 2012.
- 2011 International Workshop on Web and Multimedia Services (WMS 2011), Jeju, Korea, December 12-15, 2011.
- 4th ACM MM 2011 Workshop on Automated Media Analysis and Production for Novel TV Services (AIEMPro 2011), Scottsdale, Arizona, USA, Nov. 28 - Dec. 1, 2011.
- 3rd ACM MM 2011 Workshop on Events in Multimedia (EiMM 2011), Arizona, USA, Nov 28 - Dec 1, 2011.
- 1st International Workshop on Performance Evaluation on Recognition of Human Actions and Pose Estimation Methods (PERHAPS) 2011, Barcelona, Spain, November 12, 2011.
- 2nd IEEE Workshop on Analysis and Retrieval of Tracked Events and Motion in Imagery Streams (ARTEMIS 2011), Barcelona Spain, November 12, 2011.
- 5th International RuleML Symposium on Rules, Fort Lauderdale, Florida, USA, November 3-5, 2011.
- 3rd International Workshop on Search and Mining User-generated Contents (SMUC 2011), Glasgow, UK, Oct 28, 2011.
- 3rd FTRA International Conference on Information Technology Convergence and Services (ITCS-11), Gwangju, Korea, October 20-22, 2011.

- 1st International Conference on Business Intelligence and Technology (BUSTECH 2011), Roma, Italy, September 25-30, 2011.
- 6th International Symposium Advances in Artificial Intelligence and Applications (AAIA'11), Szczecin, Poland, September 19-21, 2011.
- 5th IEEE International Conference on Semantic Computing (ICSC 2011), Palo Alto, CA, USA, September 18-21, 2011.
- 2011 ECML PKDD Workshop on Mining Complex Entities from Network and Biomedical Data (MIND 2011), Athens, Greece, September 9, 2011.
- 17th International Conference on Distributed Multimedia Systems (DMS'2011), Florence, Italy, August 18-20, 2011.
- 6th International Conference on Embedded and Multimedia Computing (EMC 2011), Enshi, China, August 11-13, 2011.
- 2nd International Workshop on Future of Television - Making Television personal and social (FutureTV-2011), Lisbon, Portugal, June 29, 2011.
- 2nd FTRA International Workshop on Multimedia and Semantic Technologies (MUST'11), Crete, Greece, June 28-30, 2011.
- 6th International Conference on Future Information Technology (FutureTech 2011), Loutraki, Greece, June 28-30, 2011.
- 5th IEEE International Conference on Multimedia and Ubiquitous Engineering (MUE-2011), Crete, Greece, June 27-29, 2011.
- 2nd IEEE International Workshop on Computer Vision for Computer Games (CVCG2011), Colorado Springs, Colorado, US, June 25, 2011.
- 9th International Workshop on Content-Based Multimedia Indexing (CBMI 2011), Madrid, Spain, June 13-15, 2011.
- International Conference on Web Intelligence, Mining and Semantics (WIMS'11), Sogndal, Norway, May 25-27, 2011.
- 3rd International Conferences on Advances in Multimedia (MMEDIA 2011), Budapest, Hungary, April 17-22, 2011.
- 12th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2011), Delft, The Netherlands, April 13-15, 2011.
- 1st International Workshop on Usage Analysis and the Web of Data (USEWOD2011), Hyderabad, India, March 28-29, 2011.
- 9th IEEE Conference on Automatic Face and Gesture Recognition (FG 2011), Santa Barbara, CA, USA, March 21-25, 2011.
- 17th International Conference on Multimedia Modeling (MMM 2011), Taipei, Taiwan, January 5-7, 2011.
- 2nd IEEE International Workshop on Content-Based Audio/Video Analysis for Novel TV Services (CBTV 2010), Taichung, Taiwan, December 13-15, 2010.
- Social Interactions Analysis and Services Providers (SIASP) @ IEEE ICDM 2010, Sydney, Australia, December 13, 2010.
- 2010 International Workshop on Advanced Future Multimedia Services (AFMS 2010 - FTRA 2010), Gwangju, Korea, December 9-11, 2010.
- 5th International Conference on Semantic and Digital Media Technologies (SAMT 2010), Saarbrücken, Germany, December 1 – 3, 2010.
- 1st ACM International Workshop on Analysis and Retrieval of Tracked Events and Motion in Imagery Streams (ARTEMIS 2010), October 29, 2010, Firenze, Italy.

- ACM Multimedia 2010, International Conference, Firenze, Italy, October 25 – 29, 2010.
- 4th International Web Rule Symposium: Research Based and Industry Focused (RuleML 2010), Washington, DC, USA, October 21-23, 2010.
- 16th International Conference on Distributed Multimedia Systems (DMS'2010), Illinois, USA, October 14 - 16, 2010.
- 3rd International Congress on Image and Signal Processing (CISP 2010), Yantai, China, October 6 - 18, 2010.
- 5th International Symposium Advances in Artificial Intelligence and Applications (AAIA'10), Wisła, Poland, October 18 - 20, 2010.
- 4th IEEE International Conference on Semantic Computing (ICSC 2010), Carnegie Mellon University, Pittsburgh, PA, USA, September 22 - 24, 2010.
- 14th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2010), Cardiff, Wales, UK, September 8 - 10, 2010.
- 20th International Conference on Pattern Recognition (ICPR 2010 - IAPR), Istanbul, Turkey, August 23 - 26, 2010.
- ACM international conference on Image and Video Retrieval (CIVR 2010), Xi'an, China, July 5 - 7, 2010.
- 8th International Workshop on Content-Based Multimedia Indexing (CBMI), Grenoble, France, 23 - 25 June 2010.
- 1st IEEE International Workshop on Computer Vision for Computer Games (CVCG 2010), San Francisco, June 14, 2010.
- 2nd International Conferences on Advances in Multimedia, MMEDIA 2010 (under NexComm 2010), Athens, Greece, June 13 - 19, 2010.
- International Workshop on Multimedia and Semantic Technologies (MUST 2010), Busan, Korea, 21 - 23 May 2010.
- International Conference on Imaging Theory and Applications (IMAGAPP), part of VISIGRAPP - The International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, Angers, France, May 17 - 21, 2010.
- 5th International Conference on Future Information Technology (FutureTech 2010), Busan, Korea, May 21 - 23, 2010.
- 11th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2010), Garda Lake, Desenzano del Garda, Brescia, Italy, April 12 - 14, 2010.
- 13th International Conference on Database Theory and Extending Database Technology EDBT/ICDT 2010 Joint Conference, Lausanne, Switzerland, March 22 - 26, 2010.
- 35th International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2010), Dallas, Texas, March 14 – 19, 2010.
- 1st International Workshop on Internet Multimedia Mining (IMM 2009) (in conjunction with IEEE ICDM 2009), Miami, Florida, USA, December 6 - 9, 2009.
- 1st International Workshop on Content-Based Audio/Video Analysis for Novel TV Services (CBTV 2009) in conjunction with the IEEE International Symposium on Multimedia, 14-16 December 2009, San Diego, California, USA.
- 4th International Workshop on Semantic Media Adaptation and Personalization (SMAP), December 14-15, 2009 San Sebastián, Spain
- 2nd IEEE International Workshop on Tracking Humans for the Evaluation of their Motion in Image Sequences (THEMIS 2009) (in conjunction with ICCV 2009), Kyoto, Japan, October 2009.

- 3rd International Conference on Imaging for Crime Detection and Prevention, December 3, 2009, London, UK.
- 7th International Conference on Computer Vision Systems (ICVS 2009), 13-15 October 2009, Liège, Belgium.
- 1st International Workshop on Living Web: Making Web Diversity a true asset, October 26, 2009, Washington DC., USA
- 10th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2009), May 6-8, 2009, London, UK.
- 3rd International Conference on Semantic and Digital Media Technologies, (SAMT 2008), December 3-5, 2008, Koblenz, Germany
- International RuleML Symposium on Rule Rules, Applications and Interoperability (RuleML-2009), 12th Business Rules Forum, Las Vegas, Nevada, USA, November. 5-7, 2009.
- 3rd Workshop on the Many Faces of Multimedia Semantics, Beijing, China, October 2009.
- DATA Mining for the Evolving Web Workshop in conjunction with 13th East European Conference on Advances in Databases and Information Systems (ADBIS 2009), September 7th 2009, Riga, Latvia.
- 1st International STI Germany PhD-Network Workshop, in conjunction with 12th International Conference on Business Information Systems (BIS 2009), Poznan, Poland, April 27 - 29, 2009
- International Conference on Signal Processing and Multimedia Applications” - SIGMAP 2009, July 7-10, Milan, Italy.
- Special Session on “Intelligent Analysis of Images and Videos” (IAI&V 2009), part of 13th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems KES2009, 28-30 September 2009, Santiago, Chile.
- SemSearch2009, Semantic Search 2009 Workshop, Located at the 18th International World Wide Web Conference (WWW2009), Madrid, Spain, April 20-24, 2009.
- Sixth European Semantic Web Conference (ESWC 2009), Heraklion, Greece, 31 May - 4 June 2009.
- MMEDIA 2009, The First International Conference on Advances in Multimedia, Colmar, France, on July 19 -24, 2009.
- International Conference on Imaging Theory and Applications (IMAGAPP2009), 5-8 February 2009, Lisboa, Portugal.
- The 15th International MultiMedia Modeling Conference (MMM2009), 7-9 January 2009, Sophia Antipolis, France.
- The First International Workshop on Data Semantics in Social Computing Systems, (DiSCo '08), affiliated with OTM 2008, Monterrey, Mexico, Nov 9 - 14, 2008.
- 2008 IEEE International Conference on Automatic Face and Gesture Recognition (FG 2008), September 17-19, 2008 – Amsterdam, The Netherlands
- Second Workshop on the Many Faces of Multimedia Semantics, co-located with ACM Multimedia 2008, in Vancouver, Canada, October-November 2008.
- AXMEDIS 2008, 4th International Conference on Automated solutions for Cross Media Content and Multi-channel Distribution, 17-19 Nov. 2008, Florence, Italy.
- I-MEDIA 2008, International Conference on New Media Technology, 3-5 September 2008, Messe Center Graz, Austria
- RuleML-2008, The International RuleML Symposium on Rule Interchange and Applications, Orlando, Florida: October 30-31, 2008.

- ISWC 2008, 7th International Semantic Web Conference, October 26–30, 2008, Kongresszentrum (Congress Center), Karlsruhe, Germany.
- SIGMAP 2008 the International Conference on Signal Processing and Multimedia Applications, 26-29 July, Porto, Portugal.
- Fifth International Conference on Visual Information Engineering, VIE'08, July 29- August 1, 2008, Xi'an, China.
- 5th Hellenic Conference on Artificial Intelligence (SETN 08).
- SemSearch2008, Semantic Search 2008 Workshop, Located at the 5th European Semantic Web Conference ESWC2008, June 2nd, 2008 (Workshop day), Tenerife, Spain
- Fifth European Semantic Web Conference (ESWC 2008), Tenerife, Spain, June 1-5, 2008.
- CBMI-2008, Sixth International Workshop on Content-Based Multimedia Indexing, 18-20th June, 2008, London, UK.
- "Mastering the Gap: From Information Extraction to Semantic Representation" (MTG2007), part of the International Semantic Web Conference 2007 (ISWC2007) in Busan, Korea (November 12, 2007).
- International Conference on Signal Processing and Multimedia Applications, SIGMAP 2007, 28-31 July, Barcelona, Spain.
- 1st International Conference on Collaborative Computing over Social Networking, Seoul, Korea, September 12 to 14, 2007.
- The 6th International Semantic Web Conference and the 2nd Asian Semantic Web Conference, 2007, Busan, Korea, November 2007.
- 9th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS'2008), Klagenfurt University, Austria, 7-9 May 2008.
- Making Semantics Work For Business Workshop, part of 1st European Semantic Technology Conference 2007, Vienna, Austria, May 31 - June 1, 2007.
- International Workshop on the Many Faces of Multimedia Semantics, in conjunction with ACM Multimedia 2007, September 29, 2007, University of Augsburg, Germany
- 1st International Conference on New Media Technology, Graz – Austria, I-MEDIA '07
- 5th International Semantic Web Conference-Research Track (ISWC2006)
- From Information Extraction to Semantic Representation Workshop, 3rd European Semantic Web Conference, Budva, Montenegro 2006
- Semantic Web Personalization Workshop, 3rd European Semantic Web Conference, Budva, Montenegro 2006
- International Workshop on "Crossing media for improved information access", 23 May 2006, Magazzini del Cotone Conference Centre, Genoa, Italy
- International Conference on Computer Graphics, Imaging, Vision and Visualisation 2005, 2006 and 2007, CGIV
- SemAnnot 2005, Knowledge Markup and Semantic Annotation 5th International Workshop, located at the 4rd International Semantic Web Conference ISWC 2005, 7th November 2005, Galway, Ireland.
- Workshop on Semantic Web Case Studies and Best Practices for eBusiness 2005, SWCASE05, held in International Semantic Web Conference 2005, Galway, Ireland.
- NLP for Multimedia Applications (ESSLLI 2004)
- Workshop on Knowledge Markup and Semantic Annotation (Semannot2004), held in conjunction with the 3rd International Semantic Web Conference (ISWC-2004)

- AVSS 2009, ICME 2005, ICIP 2004, WIAMIS 2003, CBMI 2003, ICIP 2003.