

ΔΡ. ΙΩΑΝΝΗΣ ΚΟΜΠΑΤΣΙΑΡΗΣ

ΗΛΕΚΤΡΟΛΟΓΟΣ ΜΗΧΑΝΙΚΟΣ ΚΑΙ ΜΗΧΑΝΙΚΟΣ ΥΠΟΛΟΓΙΣΤΩΝ

ΕΡΕΥΝΗΤΗΣ Γ'

ΙΝΣΤΙΤΟΥΤΟ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΜΑΤΙΚΗΣ

ΕΘΝΙΚΟ ΚΕΝΤΡΟ ΕΡΕΥΝΑΣ ΚΑΙ ΤΕΧΝΟΛΟΓΙΚΗΣ ΑΝΑΠΤΥΞΗΣ

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◆ ΕΚΠΑΙΔΕΥΣΗ

- 1996 - 2001 Διδακτορικό Δίπλωμα στο τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών της Πολυτεχνικής Σχολής του Αριστοτελείου Πανεπιστημίου Θεσσαλονίκης. Επιβλέπων καθηγητής: Μιχ. Γ. Στρίντζης. Θέμα Διδακτορικής Διατριβής: "Κωδικοποίηση εικονοσειρών με βάση τα αντικείμενα".
- 1991 - 1996 Τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών της Πολυτεχνικής Σχολής του Αριστοτελείου Πανεπιστημίου Θεσσαλονίκης. Κατεύθυνση: Τηλεπικοινωνίες. Γενικός βαθμός: 8 και σειρά κατάταξης: 3. Θέμα διπλωματικής εργασίας: "Συμπύεση στερεοσκοπικών εικονοσειρών με χρήση τρισδιάστατων μοντέλων".

◆ ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

- Σεπτέμβριος 2007 Ίδρυση και υπεύθυνος του **Εργαστηρίου Γνώσης και Πολυμέσων** (<http://mklab.iti.gr>).
- 15 Φεβ. 2006 - **Ερευνητής Γ' Βαθμίδος**, Εθνικό Κέντρο Έρευνας και Τεχνολογικής Ανάπτυξης / Ινστιτούτο Πληροφορικής και Τηλεματικής (ΕΚΕΤΑ/ΙΠΤΗΛ)
- 2003 – 2006 **Ερευνητής Δ' Βαθμίδος**, Εθνικό Κέντρο Έρευνας και Τεχνολογικής Ανάπτυξης / Ινστιτούτο Πληροφορικής και Τηλεματικής (ΕΚΕΤΑ/ΙΠΤΗΛ)
- 2001 - 2003 **Συνεργαζόμενος Ερευνητής**, Εθνικό Κέντρο Έρευνας και Τεχνολογικής Ανάπτυξης / Ινστιτούτο Πληροφορικής και Τηλεματικής (ΕΚΕΤΑ/ΙΠΤΗΛ). Συμμετοχή στα παρακάτω ερευνητικά προγράμματα:
- 1996 - 2001 **Βοηθός Έρευνας** στο Εργαστήριο Επεξεργασίας Πληροφορίας και Υπολογιστών του τμήματος Ηλεκτρολόγων Μηχανικών και Μηχανικών Η/Υ του Αριστοτελείου Πανεπιστημίου, υπό τον καθηγητή Μιχάλη Γ. Στρίντζη.

♦ **ΕΡΕΥΝΗΤΙΚΑ ΕΡΓΑ**

Ως Ερευνητής Γ':

- 2008-2011 WeKnowIt: Emerging, Collective Intelligence for personal, organisational and social use, 7th FP, IST-IP, **Συντονιστής Έργου.**
- 2008-2010 Jumas: Judicial Management by Digital Libraries Semantics, 7th FP, IST-STREP.
- 2008 Γενικά Αρχεία του Κράτους: Προμήθεια και Ανάπτυξη Ολοκληρωμένου Λογισμικού Διαχείρισης Αρχειακών Δεδομένων και Μετάφραση του Περιεχομένου της Τεκμηρίωσης
- 2007 - 2010 VIDI-VIDEO: Interactive semantic video search with a large thesaurus of machine-learned audio-visual concepts, IST-STEP, 2007-2009.
- 2006 - 2009 CHORUS: Coordinated approach to the European effort on audio-visual Search engines, IST-CA, 2006-2009.
- 2006 - 2009 MESH: Multimedia Semantic Syndication for Enhanced News Services, IST-IP, 2006-2008.
- 2006 - 2010 X-Media: Knowledge Sharing and Reuse Across Media, IST-IP, 2006-2009.
- 2006 - 2008 K-Space: Knowledge Space of Semantic Inference for Automatic Annotation and Retrieval of Multimedia Content, IST-NoE, 2006-2009.
- 2006 - 2009 BOEMIE: Bootstrapping Ontology Evolution with Multimedia Information Extraction, IST-STREP, 2006-2008.
- 2006 - 2008 ELU: Enhanced Learning Unlimited, IST-STREP, 2006-2008.

Ως Ερευνητής Δ':

- 2004 - 2008 "aceMedia: Integrating knowledge, semantics and content for user centred intelligent media services", funded by the DG XIII, IP 2004-2008.
- 2004 - 2007 "KnowledgeWeb: Realizing the Semantic Web", funded by the DG XIII, NoE 2004-2008.
- 2003 - 2005 "SCHEMA: Network of Excellence in Content-Based Semantic Scene Analysis and Information Retrieval", IST-2001-32795, Ανάδοχος: ΕΚΕΤΑ/ΙΠΤΗΛ. Συντονιστής έργου. Ευρωπαϊκό Δίκτυο Αριστείας σε Εξόρυξη Πληροφορίας και Κατανόηση Περιεχομένου από Πολυμεσικά Δεδομένα.
- 2003 - 2005 "Multi-Mine: Ανθρώπινο Δίκτυο Ερευνητικής και Τεχνολογικής Επιμόρφωσης σε ΤΕΧΝΟΛΟΓΙΕΣ ΕΞΟΡΥΞΗΣ ΚΑΙ ΔΙΑΧΕΙΡΙΣΗΣ ΓΝΩΣΗΣ ΑΠΟ ΠΟΛΥΜΕΣΑ", ΓΓΕΤ - Ανθρώπινα Δίκτυα - ΚΕ 6. Ανάδοχος: ΕΚΕΤΑ/ΙΠΤΗΛ. Συντονιστής έργου. Το προτεινόμενο έργο έχει σαν στόχο τη δημιουργία ενός δικτύου επιστημονικής και

- τεχνολογικής επιμόρφωσης με αντικείμενο την εξόρυξη και οργάνωσης γνώσης με έμφαση σε πολυμεσικό υλικό.
- 2003 - 2006 "REACH: Νέες Μορφές Κατανεμημένης Οργάνωσης και Πρόσβασης σε Υλικό Πολιτιστικής Κληρονομιάς", ΓΓΕΤ-ΣΠ ΕΤΑ ΕΠ – Πολιτισμός. Εφαρμογή σύγχρονων μορφών οργάνωσης περιεχομένου και ηλεκτρονικού εμπορίου σε υλικό πολιτιστικής κληρονομιάς.
- 2004 - 2006 "CIRCE: Content-Based and Semantic Multimedia Indexing and Retrieval in Collaborative Environments", ΓΓΕΤ, Ελλάδα – Ουγγαρία
Κοινά Ερευνητικά Και Τεχνολογικά Προγράμματα. Επιστημονικός Υπεύθυνος.
- 2003 «Παροχή Υπηρεσιών Οργάνωσης και Έξυπνης Αναζήτησης Οπτικών Δεδομένων», ΓΓΕΤ-ΠΡΑΞΕ. Επιστημονικός Υπεύθυνος. Δημιουργία νέας επιχείρησης έντασης γνώσης (spin off).

Συνεργαζόμενος Ερευνητής:

- 1999 - 2001 "Ανάπτυξη αλγορίθμων για την υλοποίηση του προτύπου MPEG-4", (ΕΠΕΤ II - ΠΕΝΕΔ, 1999 - 2001). Συντονιστής προγράμματος. Συντονισμός ερευνητικής ομάδας 10 ερευνητών από τρεις φορείς (ΙΠΤΗΛ, ΕΜΠ, Παν. Κρήτης). Ανάπτυξη αλγορίθμων συμπίεσης τρισδιάστατων πλεγμάτων. Το αποτέλεσμα του έργου είναι το πρώτο παγκοσμίως εργαλείο συγγραφής τρισδιάστατων εφαρμογών πολυμέσων με βάση το MPEG-4.
- 1999 - 2001 ΙΣΤΟΡΑΜΑ: "Αναζήτηση εικόνων στο Διαδίκτυο", (ΕΠΕΤ II - ΠΑΒΕ, 1999 - 2001). Ανάδοχος φορέας: INTRASOFT A.E. Συντονιστής προγράμματος για το ΙΠΤΗΛ. Ανάπτυξη των βασικών αλγορίθμων κατάτμησης και περιγραφής εικόνων για αναζήτηση με βάση το περιεχόμενο (content-based image indexing and retrieval).

Βοηθός Έρευνας:

- 1998 - 2003 "Coding of video signals in multimedia services", (COST 211 quat 1998 - 2003). Εκπρόσωπος του ΑΠΘ. Τακτική παρουσίαση της ερευνητικής δραστηριότητας στους φορείς του έργου που προέρχονται από 10 και πλέον διαφορετικές Ευρωπαϊκές χώρες.
- 1998 - 2000 "Πειραματικό δίκτυο ADSL για υπηρεσίες fast Internet και πολυμέσων", (ΟΤΕ). Εκπρόσωπος του Εργαστηρίου. Το έργο αφορούσε το πρώτο πειραματικό δίκτυο ADSL στην Ελλάδα. Σχεδιασμός όλων των εφαρμογών πολυμέσων. Ανάπτυξη και δοκιμή εφαρμογής video κατ' απαίτηση (video on demand).
- 1998 - 2000 "VIDAS: VIDEo ASsisted with audio coding and representation", (ACTS II, 1996-2000). Ανάπτυξη αλγορίθμων κατάτμησης.
- 1996 - 1999 "Κωδικοποίηση με βάση τα αντικείμενα", (ΓΓΕΤ - ΥΠΕΡ). Ανάδοχος φορέας: INTRAKOM A.E. Το έργο αυτό χρηματοδότησε την εκπόνηση της διδακτορικής διατριβής σε συνεργασία με τον

ανάδοχο φορέα.

1996 - 1999 "PANORAMA: Package for New Autostereoscopic Multiview Systems and Applications", (EC ACTS 097). Ανάπτυξη αλγορίθμων εκτίμησης στερεής κίνησης σε τρισδιάστατα μοντέλα που προέρχονται από ακολουθίες τριών όψεων. Κατάτμηση τρισδιάστατων μοντέλων.

◆ **ΕΡΕΥΝΗΤΙΚΑ ΕΡΓΑ ΜΕ ΑΠΕΥΘΕΙΑΣ ΧΡΗΜΑΤΟΔΟΤΗΣΗ ΑΠΟ ΒΙΟΜΗΧΑΝΙΑ**

2005 - 2006 Personalized News Delivery, Motorola.

2007 Context Relevant Search, Motorola.

2007 - 2008 Mobile Advertising, Motorola.

◆ **ΕΚΠΑΙΔΕΥΤΙΚΗ ΕΜΠΕΙΡΙΑ**

Μέλος τριμελούς συμβουλευτικής επιτροπής για την εκπόνηση των διδακτορικών διατριβών:

2006 - κ. Ειρήνη Γιαννακίδου, "Τεχνικές Οργάνωσης και Διαχείρισης περιεχομένου στα πλαίσια του Παγκόσμιου Ιστού", Τμήμα Πληροφορικής, ΑΠΘ, (Επ. καθ. Αθηνά Βακάλη)

2008 - κ. Συμεών Παπαδόπουλος, "Τεχνικές Εξόρυξης και σύνθεσης πληροφορίας από πηγές του Παγκόσμιου Ιστού", Τμήμα Πληροφορικής, ΑΠΘ, (Επ. καθ. Αθηνά Βακάλη)

Κοινή επίβλεψη διδακτορικών διατριβών σε συνεργασία με το Queen Mary University of London (Καθ. Ιωάννης Πάτρας):

2009 - κ. Σπυρίδων Νικολόπουλος, "Multimedia interpretation by combining explicit knowledge, statistical learning techniques and multimodal analysis"

2009 - κ. Στέφανος Βροχίδης, "Retrieval of Multimedia Content based on Semantic Analysis, Fusion and Active Learning Techniques"

Συμμετοχή στην επίβλεψη διδακτορικών διατριβών του Τμήματος Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών του Αριστοτέλειου Πανεπιστημίου Θεσσαλονίκης υπό τον Καθ. Μιχ. Γ. Στρίντζη:

2005 - κ. Γεώργιος Παπαδόπουλος, "Σηματολογική Ανάλυση Πολύμεσων βασισμένη σε Τεχνικές Γνώσης, Σύντηξης και Συλλογιστικής"

2003 - 2008 κ. Σταματία Δασιοπούλου, "Ανάλυση και πρόσβαση σε οπτικοακουστικές πληροφορίες με τεχνολογίες γνώσης"

2005 κ. Βασίλειος Μεζάρης, "Κατάτμηση εικόνων και εικονοσειρών για αναζήτηση βασισμένη στο περιεχόμενο"

Μέλος επταμελούς εξεταστικής επιτροπής των διδακτορικών διατριβών:

2009 κ. Βασιλική Κουτσονικόλα, "Τεχνικές Ομαδοποίησης Δεδομένων του Παγκόσμιου Ιστού", Τμήμα Πληροφορικής, ΑΠΘ

- 2009 κ. Αλέξανδρος Μπάτζιος, “Εξόρυξη και Διαχείριση Σημασιολογικής Πληροφορίας στο Παγκόσμιο Ιστό”, Τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών, ΑΠΘ
- 2007 Lyndon Nixon, “A Framework for Intelligent Information Services: SweMPs”, εξωτερικός κριτής, Freie Universität Berlin, Fachbereich Mathematik und Informatik, Institut für Informatik, Berlin
- 2008, 2009 "Σύγχρονες Τεχνικές Διαχείρισης Ιατρικής Πληροφορίας", 3ο Εξαμήνο ΠΡΟ.ΜΕ.Σ.Ι.Π., ΑΠΘ, διάλεξη.
- 2003 - 2004 Εκπαιδευτής σεμιναρίων στα πλαίσια του Εθνικού Δικτύου: “Multi-Mine: Ανθρώπινο Δίκτυο Ερευνητικής και Τεχνολογικής Επιμόρφωσης σε ΤΕΧΝΟΛΟΓΙΕΣ ΕΞΟΡΥΞΗΣ ΚΑΙ ΔΙΑΧΕΙΡΙΣΗΣ ΓΝΩΣΗΣ ΑΠΟ ΠΟΛΥΜΕΣΑ”. Αντικείμενα: “Ανάλυση και Περιγραφή Πληροφορίας”, “Αναζήτηση με βάση το περιεχόμενο και τη γνώση”
- 1997 - 2001 Συνεπικουρος διδάσκων στο μάθημα του 4ου έτους, "Ανάλυση Χρονοσειρών", τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης.

◆ ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ

Βιβλία:

- | Kompatsiaris, Yiannis; Hobson, Paola (Eds.) "Semantic Multimedia and Ontologies: Theory and Applications", Springer, March 2008.

Member of the editorial board:

- | Journal of Multimedia (JMM), Academy Publisher

Guest editor:

- | Signal Processing: Image Communication, Special issue on "Semantic Analysis for Interactive Multimedia Services", Signal Processing: Image Communication 23 (2008).
- | IEE Proceedings on Vision, Image and Signal Processing και 3rd International Conference on Image and Video Retrieval (CIVR 04)

Κριτής (Reviewer) σε επιστημονικά περιοδικά:

- IEEE Transactions on Image Processing
- IEEE Transactions on Medical Imaging
- IEEE Transactions on Circuits and Systems on Video Technology (CSVT).
- IEEE Transactions on Circuits and Systems I (TCAS-I).
- Computer Vision and Image Understanding (CVUI)
- Journal of Web Semantics
- IEE Proceedings Vision, Image & Signal Processing.
- EURASIP Journal on Applied Signal Processing (JASP)
- Journal of Electronic Imaging (JEI).
- Pattern Analysis and Applications Journal.
- Data and Knowledge Engineering Journal.

- Educational Technology and Society International Journal.

Διοργάνωση Συνεδρίων:

- I Program Chair of the 4th International Conference on Semantic and Digital Media Technologies (SAMT 2009), Graz, Austria, Dec 2-4, 2009.
- I Co-Chair of the CIVR2009 ACM International Conference on Image and Video Retrieval, July 8-10, 2009, Santorini, Greece.
- I Co-Chair of the 8th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2007), June 6-8, 2007, Santorini, Greece.
- I Co-Chair of the First international conference on Semantics And digital Media Technology (SAMT 2006), December 6-8, 2006, Athens, Greece.

Διοργάνωση Θερινών Σχολείων:

- I SSMS 2008, the Summer School on Multimedia Semantics - Analysis, Annotation, Retrieval and Applications 2008, Crete, Greece, September 2008
- I SSMS 2006, the Summer School on Multimedia Semantics - Analysis, Annotation, Retrieval and Applications 2006, Kallithea, Chalkidiki, Greece, during 4 - 8 September 2006

Tutorials:

- I "Detecting, Understanding and Exploiting Web communities" 18th Intl. World Wide Web Conference, WWW 2009.

Ομιλίες ύστερα από πρόσκληση:

- I "Extracting Collective Intelligence from Social Content", Workshop on Cross-media information analysis, extraction and management at SAMT 2008, Koblenz, Germany, 3-5 Dec. 2008.
- I "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
- I "Convergence of multimedia and knowledge technologies" during the CIVR 2007 Practitioner Day, July 9-11 2007, University of Amsterdam, Amsterdam.
- I "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

Συμμετοχή στην οργάνωση των παρακάτω συνεδρίων και ημερίδων:

- I ICSC 2009, Third IEEE International Conference on Semantic Computing, Berkeley, California, September 14 – 16, 2009 (Workshop co-chair)
- I ICSC 2008, Second IEEE International Conference on Semantic Computing, Santa Clara, CA, USA - August 4-7, 2008 (Publicity Co-Chair)
- I ICME 2008, IEEE ICME 2008 International Conference on Multimedia & Expo, June 23-26, 2008 – Hannover, Germany (Track Chair for the Multimedia Content Analysis Track).
- I 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).
- | Special session in “Advances in Semantic Multimedia Analysis for Personalised Content Access”, ISCAS 2006.
- | Special session on “Semantic-based Multimedia Analysis and Access” (6th FP IST projects), Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS'04), April 2004.
- | Special session on IST-Projects, Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS'03), April 2003.
- | Special session on “Content-Based Semantic Scene Analysis”, International Workshop on Content-Based Multimedia Indexing (CBMI'03), 2003.

Μέλος του Program Committee Συνεδρίων:

- | 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 4th 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)

Μέλος του Technical Program Committee:

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

Κριτής (Reviewer) σε διεθνή Επιστημονικά Συνέδρια:

- | ICASSP 2008, ICIP 1997-2004, EUSIPCO 2004, ECMAST 1997-1999, IWSNHC3DI 1997-1999, ICAV3D 2001

Σύλλογοι - Επιτροπές:

- | Μέλος της Μόνιμης Επιτροπής Δικτύων και Τηλεματικής, TEE/TKM.
- | IEEE Multimedia Communications Technical Committee (MMTC) member
- | Μέλος του IEE Visual Information Engineering Technical Advisory Panel
- | Μέλος της ομάδας εργασίας Πληροφορική-Επικοινωνίες του έργου Τεχνολογική Προοπτική Διερεύνηση (Foresight) Κεντρικής Μακεδονίας (2003)
- | Εθνικός αντιπρόσωπος του ΕΛΟΤ στην ομάδα εργασίας ISO JTC 1/SC 29/WG 11 (MPEG).
- | Μέλος του Institute of Electrical and Electronics Engineers (IEEE) από το 1994.

Σύλλογοι: Signal processing, Computer.

- Ι Μέλος της Ένωσης Ελλήνων Ερευνητών και του Τεχνικού Επιμελητηρίου Ελλάδος.

◆ ΕΠΙΒΛΕΨΗ ΔΙΠΛΩΜΑΤΙΚΩΝ ΕΡΓΑΣΙΩΝ

Συμμετοχή στην επίβλεψη προπτυχιακών διπλωματικών εργασιών του Τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Η/Υ του Αριστοτέλειου Πανεπιστημίου Θεσσαλονίκης υπό τον Καθ. Μιχ. Γ. Στρίντζη:

Ε. Χατζηλάρη	Αυτοματοποιώντας Τις Μεθόδους Αναγνώρισης Οπτικών Αντικειμένων Με Την Αξιοποίηση Πληροφορίας Από Ιστότοπους Κοινωνικού Χαρακτήρα (2008)
Ν. Αλετράς	Θεματική ανάλυση ειδησεογραφικών άρθρων και διαμόρφωση προσωπικού προφίλ χρήστη σε συσκευές κινητής τηλεφωνίας (2007)
Φ. Μενεμενής	Δημιουργία και διαχείριση προσωπικού προφίλ χρήστη σε συσκευές κινητής τηλεφωνίας (2007)
Α. Μπίλλης	Γραφικό περιβάλλον για ψηφιακή επεξεργασία εικόνων και video ενδοστεφανιαίου υπερηχογραφήματος (2007)
Π. Παναγή	Σημασιολογική ανάλυση πολυμέσων με χρήση γνώσης (2006)
Γ. Παπαδόπουλος	Σημασιολογική ανάλυση πολυμέσων με χρήση γνώσης (2005)
Ε. Παρίση	Ανάπτυξη γραφικού περιβάλλοντος για την ημιαυτόματη ανίχνευση των περιγραμμάτων των αγγειακών τοιχωμάτων σε εικόνες ενδοστεφανιαίου υπερηχογραφήματος (2005)
Σ. Παπαδόπουλος	Ανάπτυξη αλγορίθμου σηματολογικής κατάταξης ακίνητων εικόνων (2004)
Α. Κενζ	Ανάλυση Video με χρήση Hidden Markov Models. (2004)
Δ. Ιωσηφίδης	Εξόρυξη Πληροφορίας από Πολυμέσα με Χρήση Γνώσης (2004)
Β. Μεζάρης	Χωροχρονική κατάτμηση video με χρήση υφής. (2001)
Θ. Ράπτης	Εργαλείο συγγραφής 3D εφαρμογών MPEG-4. (2001)
Ν. Κοτρίδης	Ανάπτυξη βάσεως δεδομένων με χρήση JDBC για μηχανή αναζήτησης εικόνων με βάση το περιεχόμενο στο Διαδίκτυο. (2000)
Γ. Μαντζάρας	Χωροχρονική κατάτμηση video με χρήση πολλαπλών περιγραφών. (2000)
Δ. Ιωαννίδης	ADSL: Τεχνολογία Πρόσβασης σε υπηρεσίες πολυμέσων και διαδικτύου (2000)
Π. Δάφας	Ιεραρχική προσαρμοστική τριγωνοποίηση 3D επιφανειών με χρήση FCO. (1999)

Β. Παπαστάθης	Εργαλείο συγγραφής εφαρμογών πολυμέσων βασισμένο σε VRML και MPEG-4. (1999)
Δ. Σιμιτόπουλος	Μετάδοση ροής (streaming) VRML με χρήση JAVA. (1999)
Γ. Τζανέτος	Αναγνώριση προσώπων με χρήση νευρωνικών δικτύων.
Ζ. Τιάλος	Μετάδοση ροής (streaming) VRML με χρήση JAVA.
Β. Κουτκιάς	Αναγνώριση και Παρακολούθηση Ιατρικών Μικροεργαλείων σε Εικόνες Αγγειογραφίας (1998)

◆ ΞΕΝΕΣ ΓΛΩΣΣΕΣ

Αγγλικά	Άριστη γνώση. Proficiency in English (University of Cambridge)
Γερμανικά	Καλή γνώση. Mittelstufe.
Γαλλικά	Μέτρια γνώση. Μαθήματα γυμνασίου - λυκείου.

◆ ΒΡΑΒΕΙΑ

2000	International Conference on Consumer Electronics (ICCE): "For invaluable services rendered in furthering the objectives of the ICCE".
1995 & 1996	Βραβείο Τεχνικού Επιμελητηρίου Ελλάδος για εξαιρετική επίδοση κατά τα ακαδημαϊκά έτη 1994-95 και 1995-96 (έτος αποφοίτησης).

◆ ΕΠΙΣΤΗΜΟΝΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ

Ανάλυση εικόνων και video δύο και τριών διαστάσεων, δεικτοδότηση με βάση το περιεχόμενο, ανάκτηση πληροφορίας και εξόρυξη γνώσης από πολυμέσα, σημασιολογικός Ιστός, διαχείριση γνώσης, καθώς και τα πρότυπα MPEG-4 και MPEG-7.

◆ ΔΗΜΟΣΙΕΥΣΕΙΣ (CITATIONS: 504 citations (without self-citations))

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- [2] Simon Waddington, Ben Bratu, Ioannis Kompatsiaris, Symeon Papadopoulos, Fotis Menemenis. Selection of Associated Content for Content Items. Patent application filed to the UK IPO on 18 Sep 2008 under number GB 0817170.4.

- [3] 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).

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