



AIT news

Issue 15
October 09, 2008

0.8 km Markopoulo Ave., 190 02 Peania, P.O.Box 68, Athens, Greece
Tel: +30 2106682700, Fax: +30 2106682729, ms@ait.edu.gr, <http://www.ait.edu.gr>
Editors@Georgia Pispirigou gpis@ait.edu.gr, Annette Rondos aron@ait.edu.gr



CONTENTS

News on AIT's Programs, Activities and Events	2
Announcement of Forthcoming Academic Events	5
Academic Events	6
Research News	7
AIT Summer Schools	9
AIT Faculty News	11
INTRACOM HOLDINGS News	14



Dimea 2008



Summer School 2008



Career Days 2008

On September 23 and 24, 2008, 170 interviews were conducted by 25 companies from the IT, ISP, telecom, finance and consulting industries and two major HR companies with 24 AIT graduating students at AIT's state-of-the-art campus in Peania.



More specifically the participating companies were:

Accenture, Adecco, Alpha Bank, Alpha Private, Ericsson Hellas, E-Value, First Data, Grant Thornton, HELIC, Hol – hellas on line, In Group HR Solutions, Inform Lykos, INTRACOM IT Services, INTRACOM Telecom, INTRAKAT, INTRALOT, Microsoft Hellas, Plaisio Computers, Printec, SAP, Singular Logis DIS, Unisystems, Velti , VODAFONE, WINDZENON

The participating companies also visited AIT's renowned research laboratories: Autonomic and Grid Computing; High Speed Networks and Optical Communications; Broadband Wireless and Sensor Networks; Software Engineering and WEB Applications; and Algorithms and Security.

AIT's Career Office has achieved a 90% employment rate for its students within two months of their graduation from its MSIN, MSITT and MBIT programs. Other students continue their graduate studies at Carnegie Mellon University or other universities.

The Career Days event is an opportunity for the students to come into direct contact with ITC companies which are also searching to enhance the caliber of their staff.

AIT provides its graduates with the skills and expertise to meet these demands thereby increasing their chances of employment in a sector with a high degree of mobility and competition.

The participating companies were impressed with and praised the students on their scientific background, specialization, professionalism and qualifications to enter the international labor market.

Memorandum of Understanding between KOREA ELECTRONICS TECHNOLOGY INSTITUTE and ATHENS INFORMATION TECHNOLOGY

This Memorandum of Understanding was signed on September 11, 2008, by and between Korea Electronics Technology Institute ("KETI") and Athens Information Technology ("AIT") to establish a cooperative relationship in the area of electronics and IT.

KETI is a Korean government-funded leading research institute that owns various cutting-edge IT technologies, has IT-related consulting experiences, and has close relations with many IT-related companies and organizations in Korea.

The scope of this cooperation is as follows:

- 1) Exchange of technological information
- 2) Exchange of human resources
- 3) Collaborative research and development
- 4) Other activities or projects upon which the Parties mutually agree for cooperation.



The MOU was signed during a scheduled visit to the AIT premises of the President of KETI, Mr Young-Ju Suh, and the General Director Mr Seungkang Yang.



A MSIN Orientation Day –August 25, 2008 and MSITT and MBIT Orientation Day – September 16, 2008



A new academic year begins for all of us!

We warmly welcome our 2008-2009 students and look forward to having a wonderful year together.

On Orientation Day, we all have the chance to meet our new students and introduce them to each other. It is always an exciting day for the students, the professors, and staff at AIT.

Each program's Administrative Coordinator welcomed the new students and gave them a complete tour of the facilities, after which everyone gathered in the main Amphitheater where the respective Program Director welcomed the students and presented an overview of AIT and the MSIN, MSITT, and MBIT curricula, goals, structures, and courses.

The students were informed of all AIT, MSIN, MSITT, and MBIT policies and procedures, and the IT Manager explained AIT's computing facilities, after which they had the opportunity to familiarize themselves with the facility.

AIT's new nine MSIN students from Armenia, Greece, and Sri Lanka; MSITT's 33 students from Albania, Armenia, Ghana, Greece, India, Jordan, Malawi, Romania and Skopje; and MBIT's 31 students from Albania, Armenia, Greece, Jordan and Romania; are joining AIT's already diverse student body and will have many opportunities to build lasting friendships and professional networks with their fellow students.

All of us at AIT would like to wish them every success in the coming academic year. We hope our international students will take full advantage of the beauty of Greece and the exciting life of Athens!



Quint Group Management Visits AIT

The Quint Wellington Redwood Group annual partners' meeting took place in Athens, June 9-11, 2008, coinciding with the establishment, earlier this year, of the latest Quint subsidiary in Greece. Taking advantage of this event invitation, the Quint Group management was cordially hosted for a half day visit at AIT's premises on June 9, further reinforcing the already strong partnership between Quint and AIT in IT management, professional education, and certification (ITIL, ISO20000, CobiT), in Greece and SE Europe.

The Quint Group management/partner team represented countries and regions including: Netherlands, Belgium, Spain, Italy, France, Greece, Middle East, Singapore, Japan, India, USA, Canada, Latin America, Mexico, etc.



Participating in this visit were also the CEO and COO of the Quint Wellington Redwood Group, Hans van Herwaarden and Rene Hagen respectively, as well as the Managing Director of the Athens Quint office, Nikitas Despotidis.



MSIN 2008 Graduation

Congratulations to our new MSIN alumni in Athens and at Carnegie Mellon!



It is with great pride that we see you starting your professional careers. We all wish you every success and remind you that AIT, its faculty and staff, we are always here to support you in your future endeavors.

On Wednesday, June 11, 2008, the MSIN 2008 graduation ceremony took place at AIT honoring 12 graduates upon the successful completion of their studies.

Three MSIN students graduated at Carnegie Mellon in Pittsburgh.

The MSIN Class of 2008 is the sixth graduating class of the MSc in Information Networking program offered in Europe, exclusively by AIT, in collaboration with Carnegie Mellon.

The ceremony was attended by representatives and faculty of the Carnegie Mellon University, academics, representatives of foreign diplomatic delegations and Greek political parties, business executives, members of the prefecture, journalists and, of course, the relatives and friends of the graduates.

Keynote speaker at the ceremony was Katerina Aifantis, who received her MSc in engineering at 19 and her PhD in natural sciences and mathematics at 21. Her studies took her from Michigan Tech in the US, to Cambridge University in the UK, and then to the University of Groningen in the Netherlands.

(<http://www.sciencedirect.com/2008/04/katerina-aifantis-biodata.html>).

A list of her publications may be found at

<http://www.sciencedirect.com/2008/04/katerina-aifantis-publications.html>.

Other speakers included Ms. Dena Haritos Tsamitis, Director, Information Networking Institute, Carnegie Mellon; AIT Dean Prof. Christos Halkias; and CMU ex-provost Angel Jordan.



During the seven years of collaboration between Athens Information Technology and Carnegie Mellon many impressive results have been achieved both in education and research.

To date, 98 students from 15 countries have graduated from the MSc in Information Networking (MSIN) program.

MSIN graduates - Athens campus

*Mr. Islam Almalkawi
Mr. Achilleas Anagnostopoulos
Mr. Athanasios Giannetsos
Mr. Rami Halloush
Mr. Georgios Mantas
Mr. Vldao Menkowski
Mr. Sotirios Michalakos
Mr. Marios Mpasoukos
Mr. Mohammad Nasr Esfahani
Mr. Ioannis Nellas
Mr. Nikos Nikopoulos
Mr. Ali Zein*

CMU campus

*Mr. Ioanis Biternas
Mr. Can Gao
Mr. Francis Christopher Liu*



Data Mining in Biomedicine

May 7-8, 2009, at AIT's premises in Peania, Greece,

In recent years, experimental methods in biomedicine have provided massive amounts of data. The urgent need for efficient methods for processing and understanding this data has resulted in the rapid development of a new exciting research direction - applying interdisciplinary approaches incorporating systems analysis, data mining, and optimization techniques to the analysis of datasets arising in biomedical applications. Application areas include computational neuroscience, genome studies, cardiology, cancer diagnosis, neurology, etc.

Among the examples of considered datasets are, EEG data, genome sequences, gene expression data, protein structural data, protein-protein interaction data, protein-DNA interaction data, as well as radiological data.

Systems analysis, data mining, and optimization techniques play an important role in analyzing and integrating these large datasets, as well as discovering the biological processes underlying the data arising from biomedical applications.

The purpose of this conference is to bring together theoreticians and practitioners representing different fields – neuro-modulation, biomedicine, engineering, computer science - to share knowledge, ideas, and techniques. The conference has two major tracks. The first will be focused on General Data Mining Applications in Medicine, including studies of X-ray crystallography, protein-folding, docking, etc.; and the second track will be exclusively about Neurological Disorders and focused on Epilepsy Prediction and Control, Movement Disorders, and Neuro-Prosthetics.

Contact Information:

Panos M. Pardalos, Distinguished Professor Director,
Center for Applied Optimization Industrial and Systems Engineering Department
303 Weil Hall, University of Florida
PO Box 116595
Gainesville, FL 32611-6595

Affiliated Faculty of:

Computer & Information Science & Engineering Department Biomedical Engineering Department,
McKnight Brain Institute University of Florida Genetics Institute
phone: 352-392-9011 extention 2017
office, 372-3524 fax : 352-392-3537

Professor Damianos Sakas

Head, NeuroSurgery Clinic, Evangelismos
Dept. of Medicine, University of Athens, Greece

Dr. Ioannis T. Christou

Associate Professor, Athens Information Technology,
Adjunct Prof. Information Networking Institute, Carnegie Mellon University
email: ichr AT ait dot edu dot gr
phone: +30-210-668-2725
fax: +30-210-668-2703

The conference proceedings will be published by Springer.



3rd ACM International Conference on Digital Interactive Media in Entertainment and Arts (DIMEA 2008)



The 3rd ACM International Conference on Digital Interactive Media in Entertainment and Arts (DIMEA 2008), that took place during September 10-12, 2008, at AIT's premises, targeted the presentation of societal, business and technological advances and research results in cross-disciplinary areas related with digital interactive media in entertainment, art and creative technologies, finally achieved through a rich and multi-perspective conference program.

Innovations, new research approaches and practices were presented in focused technical sessions, which offered a wide coverage of the DIMEA 2008 scientific and technological areas, as well as exhibited and demonstrated during the DIMEA 2008 Digital Art and Entertainment Exhibition, which hosted impressive innovative digital interactive rich-media works in art and entertainment and was collocated and ran in parallel with the DIMEA 2008 technical sessions.

Keynote speakers were Prof. Nadia Magnenat-Thalmann, Miralab, University of Geneva; Dr. Roberto Cencioni, Head of Unit INFSO.E2 Content and Knowledge, European Commission; Prof. Michael Meimaris, New Technologies Laboratory, University of Athens and Dr. Ioannis Mihaloudis, Visual Artist.

It was the first time that a DIMEA conference was hosted by a European country and attracted participants from a wide range of countries: Australia, Austria, Belgium, Brazil, Finland, France, FYROM, Greece, Holland, Hong Kong, Hungary, Ireland, Italy, Japan, Korea, Malaysia, Norway, Portugal, Serbia, Spain, Switzerland, Thailand, the UK, and the USA, among others.

Organizers

AIT co-organized the event with the ACM Special Interest Group on Computer-Human Interaction (ACM SIGCHI, Singapore Chapter); and the Society for Excellence and Innovation in Interactive Experience Design (InExDe).

AIT's Professor Sofia Tsekeridou was one of the general Chairs of the conference and co-organized the event.

Sponsors

Grand Corporate Sponsor: Intralot

Corporate Sponsors: Telmaco, Intracom IT Services

Communication Sponsors: ΓΡΑΦΙΣΤΑΣ + web design, PC M, AllConferences.Com

Creative Sponsor: Linakis+Associates

Supporters

Supporter: Foundation of the Hellenic World

Industrial exhibitor supporter: SQLearn

Communication Supporter:

Institute of Communication- Greece

Powered by: hellas online



ICTON 2008: International Conference celebrates its 10th anniversary at AIT

ICTON 2008 an International Conference on Transparent Optical Networks The International Conference, celebrating its 10th anniversary, was very successful and received positive and warm comments about its scientific content and organization.

ICTON 2008 was attended by 300 participants from 40 countries.

The scope of the conference concentrated on the use of all-optical technologies for applications in broadband telecommunication networks. Distinguished professors and academics from all over the world presented papers and works representing the majority of the academic institutions specializing in Optical Networks.

During the conference, participants enjoyed a series of social and cultural events organized by AIT.

AIT's Professors I. Tomkos & D. Klonidis were the Key AIT responsible for the organization of the event.

Organizers: AIT, Institut Kacznosci, IEEE, IEEE LEOS

Under the auspices of: grnet (Networking Research and Education); Observatory (for the Greek information society)

Sponsor: Intracom Telecom

Supporter: hellas online

RESEARCH NEWS**AIT will participate at the 10th Info-Com World 2008 conference, October 7, 2008, Athens**

AIT will participate at the 10th international Info-Com World 2008 conference that will take place on Tuesday, October 7, 2008, at the Athenaeum Intercontinental Hotel, Athens, Greece. The Info-Com World conference (www.info-com.gr) is the premier event in Greece on topics related to business issues of the telecommunications market, and is attended by more than 2,000 policy makers and industry executives each year. The main theme of this year's conference is Broadband Everywhere! with a special focus on next generation optical access networks, evolving telecom business models, convergence between wireline and wireless networks, as well as the market outlook in the area of SE Europe.

Dr. Ioannis Tomkos of AIT will present the keynote speech during the Next Generation Networks session and AIT will also participate in the Info-Com Academy: Telecom Case Studies session. Keynote speakers: General Secretary for Telecommunications of the Greek Ministry of Transportation and Telecommunications; Special Secretary for Digital Planning of the Greek Ministry of Economics; President of the Greek Telecom Regulatory Authority; and President of the Observatory for the Greek Information Society. The event participants will be addressed by the Greek Ministers of Economics, Telecommunications, and Development, as well as the president of the Greek branch of IEEE.

For more details on the conference program: <http://www.info-com.gr/?action=article&id=2>.



Athens Information Technology in UK's *Broadcast Magazine*

Athens Information Technology, and its *My-e-Director 2012* project on personalized context-aware broadcasting, appeared in a recent issue of UK's prestigious *Broadcast Magazine*. *Broadcast* (<http://www.broadcastnow.co.uk/>) is a weekly magazine for the UK's television and radio industry, and has a very high visibility in the broadcasting industry in UK and worldwide.

My-e-Director 2012 is a €2,8 m EC contribution contract. The project was set up by AIT and researches a unique interactive broadcasting service enabling end-users to select focal actors and points of interest within real-time broadcasted scenes. *My-e-Director 2012* endeavors to provide a unique technology showcase for the coming 2012 Olympic Games in London, UK.

AIT's participation with its Autonomic and Grid Computing (AGC) research group (www.ait.edu.gr/research/RG1/overview.asp), and contribution in the project, is based on its worldwide leading visual person tracking technologies (see: http://www.ait.gr/news/news_data.asp?news_id=186).

For more information on the *My-e-Director 2012* project and its associated technologies, you may contact the AGC group leader Prof. Lazaros Polymenakos, (lcp@ait.edu.gr, tel +30 210 668 2752) or the AIT's principal investigator for *My-e-Director 2012*, Prof. John Soldatos (jsol@ait.edu.gr, tel +30 210 668 2759).



International Award from IEEE

Dr. Ioannis Tomkos received an award, by the President and the Board of Governors of the IEEE (Institute of Electrical and Electronics Engineers) Communication Society (<http://www.ieee.org/portal/site>), in recognition of contributions made toward furthering the objectives of the Society.

This award recognizes Dr. Tomkos' leadership role in support of the promotion of optical networking related professional activities within the Society.

Dr. Tomkos, among other roles, has served as the Chairman of the International Optical Networking Technical Committee of IEEE (<http://www.comsoc.org/~ds/optical.html>), and as a Distinguished Lecturer for the topic of transparent optical networking and impairment constraint routing in wavelength routed networks.



Leading Edge Network and Service Infrastructures, June 30 to July 11 2008, at AIT's premises



Building on the success of the 2005 AIT Summer School on Emerging ICT Technologies, the 2006 Summer School on Next Generation Computing Systems, and the 2007 Summer School on Recent Advances in Telecommunications, Networking and Distributed Systems, AIT organized its fourth consecutive Summer School for undergraduate/graduate students.

Twenty-nine participants from nine countries (Albania, Armenia, Bulgaria, China, Ethiopia, Greece, Jordan, Romania and Tunisia) had the opportunity to attend a balanced mix of courses, laboratory activities, social events, excursion programs and visits to the INTRACOM group of companies. The seminars were addressed mostly to students and professionals from computer science, computational science, engineering and application backgrounds.

Top-notch students were awarded scholarships. Two Jordanian students were awarded Queen Rania Scholarships and four more scholarships were offered to the four best Bulgarian applicants.

The program was structured into two weekly modules:

- 1) The Present & Future of Networking and Telecommunications: which covered an overview & current trends in Networking & Telecommunications, Data Networks & Internet Wireless Networks, Optical Networks, Network Security
 - 2) Human Centric Computing: which dealt with the broad range of computing, Semantic Computing, Pervasive Computing, Context Aware Computing, and Utility Computing.
- Among the highlights of this year's Summer School were two talks by Sun Microsystems evangelists on the "green" state-of-the-art data centers, as well as leading edge enterprise Java technologies.

Students also attended a presentation by Dr. Panos Pardalos, Distinguished Professor of Industrial and Systems Engineering at the University of Florida, USA.

The Summer School's social program included swimming events at Varkiza beach, social dinners, visits to the Acropolis and Sounio, as well as an excursion to the island of Aegina, and created a warm, friendly and collaborative atmosphere among the participants.

The participants expressed their satisfaction in attending a high quality summer school which also included a rich variety of social activities.

Sponsors:

INTRACOM Holdings, Hellas On Line, Sun Microsystems, INTRACOM Bulgaria, City Press, Flash.gr, look4 studies.COM, Study Smart, PC Magazine, OnLine, Mad Radio.



ΘΕΡΙΝΟ ΠΡΟΓΡΑΜΜΑ MEET YOUR FUTURE 2008



Ολοκληρώθηκε με μεγάλη επιτυχία το πρωτοποριακό θερινό πρόγραμμα του Athens Information Technology (AIT) Meet Your Future που διοργανώθηκε για τρίτη συνεχόμενη χρονιά στις εγκαταστάσεις του ΑΙΤ στην Παιανία.

Το **'Meet Your Future'** είναι εκπαιδευτικό πρόγραμμα, ειδικά σχεδιασμένο για μαθητές λυκείου και πρωτοετείς φοιτητές.

Τριανταπέντε (35) περίπου μαθητές και φοιτητές από όλη την Ελλάδα είχαν την ευκαιρία να ενημερωθούν σχετικά με τις μελλοντικές εξελίξεις στους τομείς των νέων τεχνολογιών, καθώς και τον τρόπο με τον οποίο αναμένεται να επιδράσουν στη ζωή μας.

Καθηγητές του ΑΙΤ παρουσίασαν στους συμμετέχοντες πρακτικές χρήσεις τεχνολογιών πληροφορικής και τηλεπικοινωνιών στους τομείς των ηλεκτρονικών παιχνιδιών, του δια-δικτύου, του ηλεκτρονικού εμπορίου, των ασύρματων και κινητών τηλεπικοινωνιών, καθώς και των 'έξυπνων' χώρων εργασίας και κατοικίας.

Η θεωρητική παρουσίαση των παραπάνω θεμάτων συμπληρώθηκε από πρακτική εξάσκηση στα εργαστήρια του ΑΙΤ, αλλά και επισκέψεις και επιδείξεις σε εργοστάσια της INTRACOM (Παραγωγή).

Μεγάλο ενδιαφέρον επέδειξαν όλοι ανεξαιρέτως οι συμμετέχοντες, για την ομιλία του Δρ. Σακκά από το Νοσοκομείο Ευαγγελισμός σχετικά με τελευταίες εξελίξεις και μελλοντικές προοπτικές στον τομέα της νευροχειρουργικής. Προσκεκλημένοι ομιλητές του ΑΙΤ για το πρόγραμμα αυτό ήταν ακόμα ο Καθ. Πάνος Παρδαλός από το University of Florida των Η.Π.Α. που παρουσίασε τις τελευταίες εξελίξεις στους τομείς της Βιοπληροφορικής αλλά και η Δρ. Βερόνικα Σαμαρά (υπεύθυνη του Ελληνικού κόμβου Ασφαλούς Διαδικτύου), που μίλησε στους συμμετέχοντες για το φλέγον θέμα της ασφαλούς πλοήγησης στο διαδίκτυο. Ακόμα η Δρ. Κατερίνα Αύφαντη από το Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης ενημέρωσε τους συμμετέχοντες για τελευταίες εξελίξεις και ευκαιρίες στο χώρο της Νανοτεχνολογίας.

Παράλληλα, οι συμμετέχοντες είχαν την ευκαιρία να επιλύσουν πολλές απορίες τους σε σχέση με επαγγέλματα, καριέρες και σταδιοδρομία σε τομείς υψηλής τεχνολογίας.

Ο κ. Φάνης Ρήγας από την «ΚΑΡΙΕΡΑ», ο καθηγητής Γ. Στασσινόπουλος από το Εθνικό Μετσόβιο Πολυτεχνείο, η κα. Σ. Βουλγαράκη από την INTRACOM IT Services, και ο Δρ. Δ. Δρακούλης από την TELESTO, μίλησαν σε μαθητές και φοιτητές τόσο για τις σπουδές και τα επαγγέλματα του χώρου της πληροφορικής και των τηλεπικοινωνιών, όσο και για τη δομή και λειτουργία των εταιριών υψηλής τεχνολογίας. Παράλληλα παρουσίασαν τα επαγγέλματα του μέλλοντος αλλά και αυτά που παρουσιάζουν τη μεγαλύτερη ζήτηση στην αγορά εργασίας.

Οι συμμετέχοντες έγιναν ακόμα δέκτες μηνυμάτων και παρουσιάσεων από το κορυφαίο πανεπιστήμιο με τα οποία συνεργάζεται στενά το ΑΙΤ, το Harvard University αλλά και την IBM Research στη Νέα Υόρκη. Οι παρουσιάσεις αυτές έγιναν μέσω ζωντανών οπτικοακουστικών συνδέσεων πραγματικού χρόνου, και έδωσαν στους συμμετέχοντες την αίσθηση της παγκοσμιοποίησης, αναλύοντας παράλληλα δυνατότητες σπουδών και εργασίας στις Η.Π.Α

Η ολοκλήρωση του προγράμματος βρήκε φοιτητές και μαθητές ενθουσιασμένους με το ΑΙΤ και το πρόγραμμα, όπως αποτυπώθηκε και στα σχετικά έγγραφα αξιολόγησης.

Για περισσότερες πληροφορίες σχετικά με τις θερινές εκπαιδευτικές δραστηριότητες του ΑΙΤ επισκεφθείτε το www.ait.edu.gr/summer/

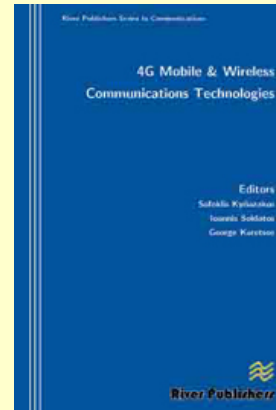


AIT's Associate Professor John Soldatos is a co-editor of the book:

Sofoklis Kyriazakos, Ioannis Soldatos, George Karetsos (Eds.).
4G Wireless & Mobile Communications Technologies.
ISBN: 978-87-92329-02-8 & E-Book ISBN: 978-87-92329-03-5.
River Publishers.

More information about this book is available at:
<http://www.riverpublishers.com/shopping.html>

For additional queries you may also contact
Prof. Soldatos at: jsol@ait.edu.gr

**Professional Activities**

- ✚ C. B. Papadias represented Greece at the FP7 IDEAS Program Committee Meeting. Brussels, Belgium. June 12, 2008.
- ✚ G. Yovanof served as a member of the TPC/IPC of the following conference and workshops:
 - 19th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2008). Cannes, France. September 14-18, 2008.
 - 27th IEEE Infocom 2008, MOVE '08 Workshop (MOBILE Networking for Vehicular Environments)
 - IASTED International Conference on Sensor Networks (SN 2008). Crete, Greece. September 29 – October 1, 2008.
 - IASTED International Conference on Wireless and Optical Communications (WOC 2008). Quebec City, Canada. May 26-28, 2008.
 - 3rd International Workshop on Pervasive Systems (PerSys'08), held in conjunction with On the Move Federated Conferences (OTM'08). Monterey, Mexico. November 9-14, 2008.
 - IEEE/ACM CSTST'08 (AASN Workshop): First International Workshop on Autonomous and Automated Sensor Networks. Cergy-Pontoise/Paris, France. October 26-30, 2008.
- ✚ I. Tomkos will serve as Guest Editor for a Special Issue of the IEEE/OSA Journal of Lightwave Technology focusing on "Converged Optical Networking Infrastructures in Support of Future Internet and Grid Services". Submission deadline December 1, 2008
- ✚ N. Komninos has been invited to serve as a member of the International Advisory Board at the International Congress on Pervasive Computing and Management (ICPCM'2008) Conference. Delhi, India. December 12-14, 2008.
- ✚ I. Tomkos will serve as Guest Editor for a Special Issue of the International Journal of Networks focusing on "Transparent Optical Networking".
- ✚ I. Tomkos was invited to serve as member of the European Task Force of the Optical Society of America (OSA).
- ✚ I. Tomkos was invited to serve as general Co-Chair of the International Conference on Grid Networks - GridNets 2009. Athens, Greece. September 2009.
- ✚ I. Tomkos serves as publications co-chair and member of the Steering Committee for ONDM 2009.
- ✚ I. Tomkos was invited to serve as member of the ICC 2009 Technical Program Committee.
- ✚ A Tzanakaki was Co-chair of a workshop on all Optical Routing (WAOR). ICTON 2008. Athens, Greece. June 2008.
- ✚ C. B. Papadias has joined the Editorial Board of the IEEE Transactions on Wireless Communications.

Papers published in international scientific journals & Books

- ❖ G. Markidis and A. Tzanakaki. "Network Performance Improvement through Differentiated Survivability Services in WDM Networks". Journal of Optical Networking. June 2008, vol. 7, no 6, pp. 564-572.
- ❖ M. Spyropoulou, N. Pleros, G. Papadimitriou, and I. Tomkos, "A High-Speed Multi-Wavelength Clock Recovery Scheme for Optical Packets". IEEE Photonics Technology Letters, 2008
- ❖ Papagiannakis, I., Klionidis, D., Tomkos, I., et.al. "Electronic Compensation of Optical Impairments: The Activities of ePhoton/One+ EU project". (Review article), IET Optoelectronics, 2008
- ❖ Kalis, A. G. Kanatas, and C. B. Papadias. "A Novel Approach to MIMO Transmission Using a Single RF Front End". IEEE Journal on Selected Areas in Communications (J-SAC). August 2008, vol. 26, No. 6, pp. 972-980.
- ❖ J. Ling, U. Turrelli, D. Chizhik, and C. B. Papadias. "Rician Modeling and Prediction for Wireless Downlink Packet Systems". Accepted for publication in IEEE Transactions on Vehicular Technology.
- ❖ V. Varousis, A. G. Kanatas, A. Kalis, and C. B. Papadias. "A Stochastic Algorithm for Beamforming using ESPAR Antennas". Accepted for publication in IEEE Antennas and Wireless Propagation Letters.
- ❖ G. Zervas, E. Escalona, R. Nejabati, D. Simeonidou, G. Carrozzo, N. Ciulli, B. Belter, A. Binczewski, M. S. Poznan, A. Tzanakaki, and G. Markidis. "Multidomain Optical Networks: Issues and Challenges - Phosphorus Grid-Enabled GMPLS Control Plane (GMPLS): Architectures, Services, and Interfaces". IEEE Communications Magazine. June 2008, vol. 46, no. 6, pp 128 – 137.
- ❖ N. Ciullia, G. Carrozza, G. Giorgia, G. Zervas, E. Escalonab, Y. Qinb, R. Nejabatib, D. Simeonidou, F. Callegatic, A. Campic, W. Cerronic, B. Belterd, A. Binczewskid, M. Stroinskid, A. Tzanakaki, and G. Markidis. "Architectural Approaches for the Integration of the Service Plane and Control Plane in Optical Network". Optical Switching and Networking Journal, Elsevier, invited paper. June 2008 vol. 5, pp 94-106.
- ❖ N. Komninos and G. Mantas. "Intelligent Authentication and Key Agreement Mechanism for WLAN in e-Hospital Applications". Wireless Networks: Research Technology and Applications. Nova Science Publishers Inc., 2009.
- ❖ N. Komninos and V. Kapetanopoulos. "Dynamic Group Key Management in Ad Hoc Networks". Ad Hoc Networks: New Research. J.N. Turner and C.S. Boyer (eds). Nova Science Publishers Inc. ISBN: 978-1-60456-895-0. 2008.
- ❖ S. Vassilaras, S. Tsevas (MSITT student), and G. S. Yovanof. "An Overview of Wireless MAC Protocols for Vehicular Communications". 4G Mobile & Wireless Communications Technologies. Eds. S. Kyriazakos, I. Soldatos, and G. Karetsos. River Publishers.
- ❖ Papagiannakis, D. Klionidis, Alexios N. Birbas, J. Kikidis, and I. Tomkos. "Performance Improvement of Low-Cost 2.5 Gb/s Rated DML Sources Operated at 10 Gb/s". IEEE Photonics Technology Letters, Issue 2008
- ❖ Ch. Kouloumentas, P. Vorreau, L. Provost, P. Petropoulos, W. Freude, J. Leuthold, I. Tomkos. "All-Fiberized Dispersion-Managed Multi-Channel Regeneration at 43 Gb/s". IEEE Photonics Technology Letters. Issue 2008
- ❖ Papagiannakis, D. Klionidis, A. Birbas, I. Tomkos. "Electronic Distortion Equalization for Transient and Adiabatic Chirped Directly Modulated Lasers at 2.5 and 10 Gb/s". Journal of IET Optoelectronics. Issue 2008

Presentations at international scientific conferences and workshops

- C. Manolarakis, I. T. Christou, and G. S. Yovanof. Mapping Consumer Perception and Market Distribution of Consumer Products using Agent Based Modeling. International Congress on Pervasive Computing and Management. New Delhi. December 12-14, 2008.
- D. Liapis (MSITT student), S. Vassilaras, and G. S. Yovanof. Implementing a Low-Cost, Personalized and Location Based Service for Delivering Advertisements to Mobile Users. 3rd International Symposium on Wireless Pervasive Computing 2008 (ISWPC '08). Santorini, Greece. May 2008.
- P. Vorreau, D. Hillerkuss, F. Parmigiani, S. Sygletos, R. Bonk, P. Petropoulos, D. Richardson, G. Zarris, D. Simeonidou, D. Klondis, I. Tomkos, R. Weerasuriya, S. Ibrahim, A. Ellis, R. Morais, P. Monteiro, S. Ben Ezra, S. Tsadka, W. Freude, and J. Leuthold. "2R/3R Optical Grooming Switch with Time-Slot Interchange". Accepted for presentation in the post-deadline paper session of ECOC'08, Brussels, Belgium. September 2008
- O. Alrabadi, A. Kalis, C. B. Papadias, and A. G. Kanatas. Spatial Multiplexing by Decomposing the Far-Field of a Compact ESPAR Antenna. 19th Annual IEEE Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'08). Cannes, France. September 14-18, 2008.
- V. Varousis, A. G. Kanatas, A. Kalis, and C. B. Papadias. A Limited Feedback Technique for BeamSpace MIMO Systems with Single RF Front-end. 19th Annual IEEE Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'08). Cannes, France. September 14-18, 2008.
- P. Vorreau, Ch. Kouloumentas, L. Provost, I. Tomkos, W. Freude, J. Leuthold, Simultaneous Processing of 43Gb/s WDM Channels by a Fiber based Dispersion Managed 2R Regenerator. ECOC'08, Brussels, Belgium, Sep 2008
- C.Tselikis, S. Mitropoulos, C. Douligeris, and N. Komninos. Consistent Re-clustering Algorithm in Mobile Ad Hoc Networks. IEEE International Wireless Communication and Mobile Computing Conference (IWCMC 2008). Chania, Crete, Greece. August 6-8, 2008.
- N. Komninos and G. Mantas. Efficient Group Key Agreement & Recovery in Ad Hoc Networks. 2nd IET International Conference on Wireless, Mobile & Multimedia Networks (ICWMMN 2008). Beijing, China. October 12-15, 2008.
- I.Papagiannakis, D. Klondis, A. N. Birbas, J. Kikidis, I. Tomkos, et. al. Equalization of 10Gb/s Signals from Low Bandwidth DMLs. ECOC 2008. Brussels, Belgium. September 2008.
- G.S. Yovanof, X. Ziouvelou, and G.N. Hazapis. Effective Marketing Practices for m-Lotteries. New Media Gaming Session of the European Lotteries (EL) – Industry Days 2008. Limassol, Cyprus. June 19-20, 2008.
- G.S. Yovanof. The Role of Cognitive WSNS in the Global Information Multimedia Communication Village (GIMCV). 10th Strategic Workshop (SW08) on the Global Information Multimedia Communication Village (GIMCV). Madeira, Portugal. May 29-30, 2008
- G. Markidis, and A. Tzanakaki. Routing and Wavelength Assignment Algorithms in Survivable WDM Networks under Physical Layer Constraints. GOSP 2008 - Broadnets 2008. London, UK. September 2008.
- Tzanakaki, G. Markidis, and K. Katrinis. Supporting Differentiated Survivability Services in WDM Optical Networks. ICTON 2008. Athens, Greece. June 2008
- Develder, M. De Leenheer, T. Stevens, B. Dhoedt, G. Markidis, and A. Tzanakaki. Scalable Impairment-Aware Anycast Routing in Multi-Domain Optical Grid Networks. ICTON 2008. Athens, Greece. June 2008.
- I.Papagiannakis, D. Klondis, A. N. Birbas, J. Kikidis, and I. Tomkos. Equalization of 10Gb/s Upstream Signals from Low Bandwidth RSOA. ECOC 2008. Brussels, Belgium. September 2008.
- I Tomkos et.al. A 130 Gb/s Multi-Wavelength Transparent TDM-WDM Router. OSA 2008 Annual Meeting. USA. October 2008.



Other

- ✓ I.Tomkos and K. Kanonakis. "Architectures of FTTx Optical Access Networks". InfoCom Magazine. July 2008
- ✓ G.S. Yovanof participated in the panel discussion on New Media Gaming: Best Practices and Technologies for Marketing New Media Games, moderated by Mr. C. Moumouris, Sales Director, INTRALOT. New Media Gaming Session of the European Lotteries (EL) – Industry Days 2008. Limassol, Cyprus. June 19-20, 2008.
- ✓ G. Yovanof was elected to the Board of Directors of Hellas Online. April 2008
- ✓ C. B. Papadias gave an open presentation on the IDEAS program at the National Hellenic Research Foundation. Athens, Greece. July 4, 2008.
- ✓ Location-Based Services and Proximity Marketing. Chaired panel discussion by G.S. Yovanof. 2nd Mobile Marketing Conference. Kifissia, Greece. June 24, 2008.
- ✓ I.Tomkos received an invitation to present a talk at a workshop organized within a research program of the Greek Innovation Pole (Telecommunications Platform). Thessaloniki, Greece. October 8, 2008.
- ✓ The Broadband Wireless and Sensor Networks (B-WiSE) research group at AIT has acquired a new wireless testbed from Stanford University. Will be used for over-the-air transmission of Multiple Input / Multiple Output (MIMO) signals.
- ✓ I.Ioannis Tomkos served as Presider for the Session "High-Speed Optical Networking" at the 34th European Conference on Optical Communications.
- ✓ I. Tomkos of AIT participated in a workshop devoted to the International Day of Telecommunications
- ✓ Innovative Wireless Sensor Nodes with Smart Antennas. A new research proposal submitted by A. Kalis and P. Tragas, et.al., and accepted for funding by the government of Cyprus.

INTRACOM HOLDINGS NEWS

Intracom Holdings

Intracom Holdings recently joined the United Nations Global Compact, the world's largest voluntary corporate responsibility initiative. Our Group is fully aligned with the Compact's ten principles in the areas of human rights, labor, the environment and anti-corruption.

Intracom IT Services

Intracom IT Services signed a contract with Information Society SA to develop Geographic Information Systems for the self-government prefectures of Greece and also agreed with Paltel, the main telecommunications provider in the Palestinian National Authority, for the implementation of a SAN Consolidation Solution.

Intrasoft International, a subsidiary of Intracom IT Services, was awarded a contract for the communication between the European Union and its citizens via EUROPA, the European Union's portal web site and became the first Silver Channel Partner of SAP in Greece.



Intracom Defense Electronics

Intracom Defense Electronics extended its cooperation with Raytheon and Thales Communications by signing two new contracts for the manufacturing of electronic units for a surface-to-air missile system for Raytheon and the development and production of a VHF/HF Remote Control System for Thales.

Intracom Telecom

On June, Intracom Telecom announced six new WiBAS Point-to-Multipoint deployments in Europe and the CIS since the beginning of 2008 and the agreement with Shyam Telelink Limited, a telecom service licensee of India, for the supply of Intracom Telecom's Radio Relay products (INTRALINK). At the same time, the company was distinguished as the "Best EMEA Partner of the Year 2007" by Genesys.

Intrakat

Intrakat has embarked on a cooperation with Cybarco, a construction company specialized in real estate and construction, by absorbing its public and private sector construction divisions. This will enable the two companies to cooperate more efficiently in the real estate sector. Intrakat also absorbed the construction division of EUROKAT and Th. Karagiannis SA. At the same time, the company began the construction of the maternity clinic REA in Athens and agreed to construct the new Leroy Merlin building in Thessaloniki. The company has also undertaken the development of three new silos for Halyps Cement in Aspropyrgos, as well as the construction of the metropolitan fiber optics network in Tripoli.

hellas online

hellas online presented the subsidized products and services that it has began offering in the prefectures of Larisa, Magnisia, Trikala, Karditsa, Viotia, Pieria and Evia on the basis of Information Society's program to spread broadband internet, during an event that it successfully organised in Larisa. The company recently presented its hol telephony offer, which includes unlimited national, long distance and international calls in 26 countries, as well as 60 minutes free calls to mobile phones at the price of €19.90.

Kokkalis Foundation

The Kokkalis Foundation organised its annual forum with great success. This year's guest speakers included Dr. Joseph Nye, University Distinguished Service professor and former Harvard Kennedy School Dean, Dr. Jorge Dominguez, Vice Provost for International Affairs of Harvard University, and Dr. Joseph McCarthy, senior associate dean and Director of Degree Programs. The forum attended a capacity audience of distinguished guests from politics, business and the academia. The Kokkalis Foundation also announced its cooperation with Istanbul Bilgi University's European Institute in the field of Greek and Turkish Studies for the period of the academic years 2008-2010. The Foundation will be supporting Turkish - Greek Studies at Istanbul Bilgi University, providing scholarships and Fellowships for students from Greece pursuing the Master's in International Relations with a concentration on Turkish-Greek Relations at the University.

Intralot

“The last months were very interesting and productive for INTRALOT. In September, it had a significant success in the Turkish market, as it prevailed in the tender process procured by the Turkish State Organization Spor Toto, for the operation and technical supply of the successful and extremely popular sports betting game Iddaa in Turkey for a period of 10 years.

Furthermore, the company was granted the license to operate games in Tasmania, further expanding its presence in the Australian market, after Victoria and Western Australia and it undertook the modernization of the Ho Chi Minh Lottery in Vietnam, the largest lottery in the country.

In Europe, INTRALOT empowered its position in the Italian betting market through the acquisition of WILLIAM HILL CODERE ITALIA in July.

INTRALOT’s subsidiary, BETTING COMPANY signed a cooperation agreement with FIFA’s EARLY WARNING SYSTEM, becoming a vital part of a global endeavor to preserve and protect the integrity of football.

In addition, it became a member of the network of Global Compact for Corporate Social Responsibility, engaging itself to comply with ten principles, while also creating opportunities for multi-stakeholder engagement and collective action. Its Global Support Services Helpline Centre Business Unit was assessed by Lloyd’s and successfully met all of the criteria of the Customer Contact Association (CCA) Global Standard©.”

The **AITnews** archive may be found at
www.ait.edu.gr/newsletter