

THE THIRD INTERNATIONAL MOBILE MULTIMEDIA COMMUNICATIONS CONFERENCE

MOBIMEDIA 2007

Papaxaralambios

27-29 August 2007

Nafpaktos, Greece

**Organized and Sponsored by
Telecommunication Systems and
Networks Dept (TESYD)
of
Technological Educational Institute of
Messologhi**



Co-sponsoring Organizations

Table of Contents

Information about Greece and Nafpaktos.....	3
Sights of Nafpaktos	3
Welcome Message from the General Chairs	6
Organizing Committee	7
Technical Program Committee	8
Reviewers	9
KEYNOTE SPEECHES.....	11
Monday 27 th of April.....	12
09:00-09:30 Keynote Speech 1: Video Coding Standards: Evolution for Mobile Multimedia.....	12
09:00-09:30 Keynote Speech 2: Multimedia Delivery over Emerging Wireless Networks: Real-Time Measurements and Research Directions	14
Tuesday 29 th of April	15
09:30-10:00 Keynote Speech 3: Networking Media for Wireless Technologies: FP7 projects and research directions	15
Thursday 30 th of April.....	17
09:30-10:00 Keynote Speech 4: MIMO-LTE - A relevant step towards 4G	17
Technical Program	19
Authors	28
Excursions	30

Information about Greece and Nafpaktos

Greece is the birthplace of democracy and modern conventions. Thousands of years ago, Greece had already gained stature as a democratic nation. Democracy thrives on dialogue and on meetings as a forum for dialogue. Simply, conventions symbolized democracy and communication, past and present. It is only natural then, that the greatest sports gatherings of mankind, the “Olympics”, originated in Greece. The ancient Greek spirit of reverence for meetings has been passed on to contemporary Greece.

Nafpaktos is the second largest city, in the prefecture of Aetolokarnania and comprises the economic, social and cultural center of a wider region consisting of the following lovely villages: Ligias, Krsi. It is only two hours driving from Athens through Attica Road and Rio-Antirrio Bridge

Sights of Nafpaktos



The Castle

The Castle, part of which were built, on older walls dating back to the pelagic and ancient Greek era, was repaired and extended by the Venetians, who occupied the city in 1407 and is one of the best reserved casles within Greece

The Port

The two breakwaters of our picturesque port are the edges of two long branches, beggining from the top of Prophet Elias hill (Castle). The eastern breakwater maintains its original form, whereas in the western one, neither the observations post nor the Turkish guard’s quarter exists anymore.



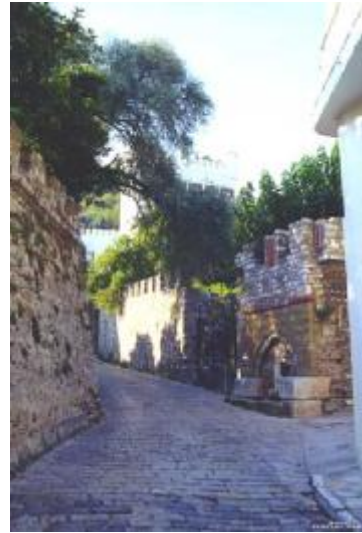


Miguel Cervantes

The Statue of the great Spanish literary stands at the port of Nafpaktos to remind his participation in the naval battle of Nafpaktos (1571), where he served on Andrea Doria's battleship the "Marchioness", as an officer. During the naval he lost his arm. He became very famous for his work "Don Quixote"

Botsareika

The mansions of the Botsaris family, a really imposing building is situated at the west entrance of the town. It was built in two stages, a part of it in the 15th century and the rest in the 16th, by workers who came to Nafpaktos from Venice and Florence. This building was used as the headquarters of each commanding officer. After Nafpaktos' liberation (18th of April 1829), the building was bought by the general Notis Botsaris. Nowadays, there is the 'Dimitris and Aegli Botsaris' public welfare institution, as well the standing exhibition of the Naval Battle of Nafpaktos, at the eastern part of the mansion.



Papaxaralabeios Library

The library is situated behind Town Hall, is the donation of Nafpaktos' great benefactor, Dimitrios Papaxaralabeios. It is considered to be one of the biggest and up to date libraries of Greece. Books and several other heirlooms of Giannis Vlachogiannis are kept in the library

Rio-Antirrio Bridge

The Rio-Antirrio bridge (Greek: Γέφυρα Ρίου-Αντίρριου), officially called "Charilaos Trikoupis" bridge after the statesman who first envisioned it, is a cable-stayed bridge crossing the Gulf of Corinth near Nafpaktos, linking the town of Rio on the Peloponnese to Antirio on mainland Greece, thus connecting the peninsula with the rest of Europe.



Beaches of Nafpaktos

Nafpaktos: The visitor can go for swimming at the two organized beaches of Nafpaktos (Gribovo and Psani), awarded with the European Union's blue flags, where lifeguards are employed

Eastern Beaches

Welcome Message from the General Chairs

On behalf of the Organizing Committee, it gives us great pleasure to welcome you to the 3rd, *International Mobile Multimedia Communications Conference, 2007 (MobiMedia'07)*. We are much honoured to be the General Chairmen of such an important and interesting event, which will take place in Nafpaktos, Greece, during August 27-29, 2007. The Telecommunication Systems and Networks Dept (TESYD), and the Technological Educational Institute of Messolonghi, were so keen for the local host and organization of MobiMedia'07 in Greece, and especially in Nafpaktos.

We hope that MobiMedia would become a world wide meeting, for science and technology; as well as a forum of great importance for scientists, engineers, and practitioners throughout the world. The conference has been organized to encompass both the theory and technology, and both design and applications. In MobiMedia'07, the authors will present their latest research results, ideas, developments, and applications in all areas of mobile multimedia communications and networking.

We would like to take this opportunity to extend special thanks to our keynote speakers, the organizers of workshops, and the tutorial presenters for their contributions to the conference program. Special thanks must be given to the authors of all submitted manuscripts and to the reviewers for their hard work and careful judgment.

We would like also to thank the Association for Computing Machinery (ACM) for publishing the papers in ACM Proceedings and Digital Library also.

Last but not least, we would like to express our deepest appreciation to the members of all organizing committees for their valuable efforts in making MobiMedia'07 a successful event, as well as our army of volunteers. We would also like to thank the institutions and the companies, which have contributed to support the conference activities, and especially our sponsors for their valuable help. We are also grateful to MeetingPlanner.gr, for making our efforts as easy as it could be and for their unique ideas and initiative, for both science and enjoy.

We are looking forward to an exciting, vibrant assembly in our venue and welcome both past and new attendees. We wish you a very pleasant stay in Nafpaktos and we encourage you to visit the cultural and commercial sites.



Dr. Tasos Dagiuklas

MobiMedia'07 General Chair

&



Dr. Nicolas Sklavos

MobiMedia'07 General Chair

Organizing Committee

General Chairs	
Tasos Dagiuklas	TEI of Mesolonghi, Greece
Nicolas Sklavos	TEI of Mesolonghi, Greece
Steering Committee	
Imrich Chlamtac	Create-Net Italy
Luigi Atzori	University of Cagliari, Italy
Technical Program Co-Chairs	
Magda El-Zarki	University of California, USA
Rahim Tafazolli	CCSR, University of Surrey, UK
Publications Chair	
Thanos Stouraitis	University of Patras, Greece
Workshops Co-Chairs	
Markus Kampmann	Ericsson Research, Germany
Glaudio Sacchi	University of Trento, Italy
Panels Co-Chairs	
Bartolome Arroyo-Fernandez	European Commission
Spiros Louvros	TEI of Mesolonghi, Greece
Local Co-Chairs	
Vassilis Triantafyllou	TEI of Mesolonghi, Greece
Giannis Kougias	TEI of Mesolonghi, Greece
Publicity Co-Chairs	
Maja Matijasevic	FER, University of Zagreb, Croatia
Mirela Sechi Moreti Annoni Notare	Barddal University, Brazil
Panagiotis Galiotos	USC, USA
Conference Secretariat	
Eleni Fotopoulou	TEI of Mesolonghi, Greece
Conference Organization Chair	
Kitti H. Kovacs	ICST, Europe

Technical Program Committee

- Ishfaq Ahmad, University of Texas at Arlington, USA
- John Apostolopoulos, HP, USA
- Pedro A. Amado Assuncao, Polytechnic Institute of Leiria, Portugal
- Luigi Atzori, University Of Cagliari, Italy
- Pietro Camarda, Politecnico di Bari, Italy
- Homer Chen, National Taiwan University, Taiwan
- Trista Chen, Intel Corporation, USA
- Reha Civanlar, Koc University, Turkey
- Ibrahim DEVELL, Erciyes University, Turkey
- Touradj Ebrahimi, EPFL, Switzerland
- Magda El-Zarki, University of California, USA
- Sergio Faria, Institute of Telecommunications, Portugal
- Frank Fitzek, Aalborg University, Denmark
- Moncef Gabbouj, Tampere University of Technology, Finland
- Mohammad Ghanbari, University of Essex, UK
- Christine Guillemot, IRISA, France
- Paola Hobson, Motorola Research Labs, UK
- Matthias Hollick, Technical University of Darmstadt, Germany
- Ebroul Izquierdo, Queens Mary College, UK
- Wolfgang Klas, University of Wien, Austria
- Odysseas Koufopavlou, University of Patras, Greece
- Georgios Kormentzas, University of Aegean, Greece
- Stavros Kotsopoulos, University of Patras, Greece
- Inald L. Legendjik, Delft University of Technology, Netherlands
- Javier Lopez, University of Malaga, Spain
- Maja Matijasevic, FER, Croatia
- James Modestino, University of Miami, USA
- Liam Murphy, University College Dublin, Ireland
- Thrasos Pappas, Northwestern University, USA
- Francisco Pereira, IST, Portugal
- Thomas Plagemann, University of Oslo, Norway
- Dirk Pesch, Cork Institute of Technology, Ireland
- Wan-Chi Siu, Hong Kong University, Hong Kong
- Thanos Skodras, Hellenic Open University, Greece
- Ralf Steinmetz, Technical University of Darmstadt, Germany
- Thomas Stockhammer, Nomor Research, Germany
- Rahim Tafazolli, CCSR, UK
- Murat Telkap, Koc University, Turkey
- Micaela van der Schaar, UCLA, USA
- Dimitrios Vergados, University of Aegean, Greece
- Heather Yu, Panasonic Research, USA
- Jian Zhang, University of New South Wales, Australia

Reviewers

- Alfredo Grieco, Politecnico di Bari, Italy
- Aggelos Katsaggelos, Northwestern University, USA
- Panayiotis Alefragis TEI of Mesolonghi, Greece
- Alexandros Panoutsakopoulos, APEX AG, Switzerland
- Mohammed E. Al-Mualla, University of Mississippi, USA
- Angel M. Gomez, University of Granada, Spain
- Georgios Anastasopoulos, DUTH, Greece
- Ali Ozgur Yilmaz, Middle East Technical University, Turkey
- Angelos Rouskas, University of the Aegean, Greece
- Aggeliki Sgora, University of the Aegean, Greece
- Pedro Assuncao, Polytechnic Institute of Leiria, Portugal
- Nikolaos Avouris, University of Patras, Greece
- Yi-Hsin Huang Huang, National Taiwan University, Taiwan
- Mauro Barni, University of Siena, Italy
- Bilva Navathe, Indian Inst Technology, India
- Gozde Bozdagi Akar Middle East Technical University, Turkey
- Jacob Chakareski, EPFL, Swiss Fed Inst Technology, Switzerland
- Marco Carli, University of Rome, Italy
- Christos Gizelis, University of the Aegean, Greece
- Christophe Jego, ENST Bretagne, France
- Claudio Sacchi, University of Trento, Italy
- Ivan Cosovic, DoCoMo Euro-Labs, Germany
- Dimitrios Skoutas, University of the Aegean, Greece
- Domenico Striccoli, Politecnico di Bari, Italy
- Francesco Denatale, University of Trento, Italy
- Dimitris Geneiatakis, University of Aegean, Greece
- Dimitrios J. Vergados, NTUA, Greece
- Ibrahim Develi, Erciyes University, Turkey
- Dimitris Toumpakaris, University of Patras, Greece
- Dimitrios Tsaimos, University of the Aegean, Greece
- Ehmada K. Al-Hussaini, Cairo University, Egypt
- Emmanuelle Villebrun, France Telecom, France
- Fabrizio Boi University of Cagliari, Italy
- Panagiotis Galiotos, USC, USA
- George Asimakopoulos TEI of Mesolonghi, Greece
- Giorgos Kostopoulos, University of Patras, Greece
- Georgios S. Paschos, VTT, Finland
- Ren Huber, Ben Gurion University, Israel
- Ioannis Papapanagiotou, University of Patras Greece
- Ilias Politis, University of Patras, Greece
- Jaakko Astola, Tampere Univ Technology, Finland
- John Kariginannis, Foundation of the Hellenic World, Greece
- Richard Johnson, Cornell University, USA
- Joo Kim, Inha University, Korea
- John MacLaren Walsh, Drexel Univesrity, USA
- Yorgos Karayiannis, TEI of Mesolonghi, Greece
- Andrea Kaup, Univesity Erlangen Nurnberg, Germany
- Jongho Kim, Hanyang University, Korea
- Konstantinos Birkos, University of Patras, Greece
- Kostas Pentikousis, VTT, Finland
- Ulas Kozat, DoCoMo USA Labs, USA
- Changcai Lai, Northwestern Polytech University, USA
- Lajos Hanzo, University of Southampton, UK
- Chia-Kai Liang Liang, National Taiwan University, Taiwan
- Fotis Liotopoulos, Hellenic Open University, Greece

- Michael D. Logothetis, University of Patras, Greece
- Micheal Georgiades, University of Surrey, UK
- Marc Porretta, Imperial College, UK
- Maria Teresa Carta, University of Cagliari, Italy
- Mohamadreza Marandian Hagh, Northeastern Univesrity, USA
- Milos Tesanovic, University of Bristol, UK
- Mohammad Mansour, Amer University of Beirut, Lebanon
- Michail Tsagaropoulos, University of Patras, Greece
- Marios Vlachos, University of Patras, Greece
- Nicolaos Ioannidis, Intracom Telecom, Greece
- Nishan Canagarajah, University of Bristol, Greece
- Nikolaos Pantazis, University of the Aegean, Greece
- Nikolaos Psimogiannos, University of the Aegean, Greece
- Paeiz Azmi, Tarbiat Modares University, Iran
- Panos Dallas, Intracom, Greece
- Pei-Jun Lee Lee, National Chi-Nan University, Taiwan
- Paris Kitsos, Hellenic Open University, Greece
- Ricardo Santiago Mozos, University Carlos III Madrid, Spain
- Murat Husnu Sazli, Ankara University, Turkey
- Charalabos Skianis NCSR 'Demokritos' Remove
- Spiros Louvros, TEI of Messolonghi, Greece
- sSotiris Saloum, Intracom, Greece
- Sylvie Kerouedan, GET ENST Bretagne, France
- Necmi Taspinar, Erciyes University, Turkey
- Tatiana Onali, University of Cagliari, Italy
- Milos Tesanovic, University of Bristol, UK
- Thanos Demiris, European Dynamics, Greece
- Thomas Pliakas, University of the Aegean, Greece
- Theofilos Xryssikos, University of Patras, Greece
- Valeria Orani, University of Cagliari, Italy
- Nikolaos Voros 1Dept. of Communication Systems and Networks, Technological Educational Institute of Mesolonghi Remove
- wcm53@mail.dyu.edu.tw Wei-Chiang Wu Da Yeh Univ, Dept Elect Engn Remove
- xgeorge@aueb.gr George Xylomenos Athens University of Economics and Business Remove
- yucel@ece.gatech.edu Yucel Altunbasak Georgia Tech Remove
- zervas@ee.teiath.gr Evangelos Zervas TEI of Athens Remove

KEYNOTE SPEECHES

Monday 27th of April

09:00-09:30

Keynote Speech 1: Video Coding Standards: Evolution for Mobile Multimedia

Prof. Mohammad Ghanbari, University of Essex, UK

This talk will look at evolution of video codecs in the past three decades and will try to forecast the trend of video coding performance of the coming decades. We will look at the compression elements that have been gradually introduced to the codecs, and how they have affected the coding performance. These evolutionary advances have contributed to several standards, ranging from the early Cost2 11 video codec up to today's H.264 and perhaps tomorrow's H.265 codec, with an ascending trend on quality and descending in bit rates. For example, while 10 years ago broadcast quality video under MPEG-2 could be coded at 6-8 Mbit/s, 5 years later, with MPEG-4, the bit rate could be reduced by 10-50 %, with higher reductions for lower quality video. Now a decade later, with new MPEG-4 (H.264) this bit rate can be reduced to 20-70%.

This is of course far less a rate than Moore's law has predicted over the same period, i.e. a halving in semi-conductor feature size every 18 months --- implying an equivalent growth in available hardware complexity (but see Section 5 for why Moore's law may no longer hold). The main reason for the lag is that broadcast tools need to be backward compatible and have to have a minimum life cycle, which is not the case for many electronic goods following the Moore's law. We estimate bit rate reduction will be at rate of doubling compression efficiency per decade, or a 7% improvement per year. Our main reason for advancing a more conservative estimate is the higher quality expectations which will inevitably arise in regard to future video services and display devices.

On the service side, in the coming two decades, visual services will tend to be delivered at a better quality and still lower bit rates by more efficient future video codecs than occurs today. Compression of HD video will be improved by 20-40% per decade, whereby the current rate of 20 Mbit/s HD video will be reduced to 12 Mbit/s over the coming decade and to 7 Mbit/s thereafter. This is about 5% reduction in bits per year. This trend for SD video will likely be at almost 50% per decade or 7% per year, whereby the current rate of 3-6 Mbit/s SD video will be reduced to 1.5-3 Mbit/s in the next decade and to 1-1.5 Mbit/s in the following decade.

For mobile video of QCIF size, rather than reducing the data rate at 50-70% per decade, the quality will be improved, with a small reduction in bit rate. For the higher spatial resolution of CIF video, the rate is more likely to be reduced from the current rate of 512 kbit/s to 128 kbit/s over the next decade and to 64 kbit/s in the following decade. IPTV is emerging as the most popular broadcasting service with a wide range in bit rates. It appears that at the start, its bit rate will be low, in the range of 0.5-2 Mbit/s with smaller size pictures (CIF size), but the bit rate will gradually increase along with the spatial resolution. At the end of two decades IPTV may end up at a rate and quality close to HD video.

Biography

**Prof. Mohammad Ghanbari,
University of Essex, UK**



Mohammed (known Ali to friends) is a professor in the Department of Electronic Systems Engineering with the main research interest in the areas of Video Networking. He graduated from Sharif (Aryamehr) University of Technology, Tehran, Iran with a BSc degree in Electrical Engineering in 1970 and MSc in Telecommunications and PhD in Electronics from the University of Essex, England in 1976 and 1979 respectively. After 10 years work in Radio and Television broadcasting he started his academic career in 1986 as a Research Fellow working on Video coding for Packet Networks. He was then appointed as a Lecturer at the Department of Electronic Systems Engineering, University of Essex, in 1988 and promoted to Senior Lecturer then Reader in 1993 and 1995 respectively. He was appointed a personal chair in 1996. He is best known for his pioneering work on two-layer video coding for ATM networks (which earned him IEEE Fellowship in 2001), now is known as SNR scalability in the standard video codecs. He has registered for eleven international patents on various aspects of video networking. and was the co-recipient of A.H. Reeves prize for the best paper published in the 1995 proceedings of IEE in the theme of digital coding. He is the co-author of Principles of Performance Engineering, book published by IEE press in 1997, the author of Video coding: an introduction to standard codecs, book also published by IEE press in 1999, which received the year 2000 best book award by IEE and the author of Standard Codecs: Image Compression to Advanced Video coding book also published by IEE press in 2003.

He has been an organizing member of several international conferences and workshops. He was the general chair of 1997 international workshop on Packet Video and Guest Editor to 1997 IEEE Transactions on circuits and systems for Video Technology, Special issue on Multimedia technology and applications. He has been an Associate Editor to IEEE Transactions on Multimedia (IEEE-T-MM) and represented University of Essex as one of the six academic partners in the Virtual Centre of Excellence in Digital Broadcasting and Multimedia. He is a Fellow of IEEE, Fellow of IEE and Chartered Engineer (CEng).

09:00-09:30

Keynote Speech 2: Multimedia Delivery over Emerging Wireless Networks: Real-Time Measurements and Research Directions

Dr. George Agapiou, OTE, Greece

Biography

**Dr. George Agapiou,
OTE, Greece**



Dr. George Agapiou: Received the Diploma in Electrical Engineering from the University of Louisville, Kentucky, in 1985, and the M.S. and Ph.D. degrees in Electrical Engineering from the Georgia Institute of Technology, in 1987 and 1991, respectively. He worked at the companies Philip Morris, USA at Louisville, in ANCO S.A., Greece and from 1996 as Telecomm Engineer in OTE. He has participated in various IST, STREP, Eurescom and e-ten projects and has published more than 20 papers in scientific journals and proceedings. Currently, he is employed at Head of Wireless and Satellite Communications Labs, OTE, Greece

Tuesday 29th of April

09:30-10:00

Keynote Speech 3: Networking Media for Wireless Technologies: FP7 projects and research directions

Dr. BARTOLOME ARROYO-FERNANDEZ, European Commission, Belgium

The Networked Media sector is characterised by the following trends:

- Growing amount of Multimedia content production (161 exabytes produced in 2006, 988 exabytes produced annually by 2010)
- New ways of users interaction with content: users want to create, manage and share their own media, and socialise through the media;
- An ever increasing quality and bandwidth requirements, such as those needed for digital cinema, HDTV, on-line Computer Games, 3D and immersive experiences

This vision of user centric media and the new paradigm for audio-visual content models is supported by major technological, standardisation and business changes: convergence of media and communications, especially in the home network, and mobility and nomadicity of the user and content. In this context, The European Commission opened in the first Call for Proposals of the 7th Research Framework Programme opportunities for Collaborative Projects as well as Networks of Excellence to address some of the key technological challenges that result from the above trends. This initiative continues and reinforces the support provided to Networked Media research in previous framework programmes.

The talk will take stock of the current achievements and provide an outlook of the challenges faced by the new set of projects resulting from the first FP7 Call.

Networked Media Collaborative Research

- Historical perspective and state of play
- Main challenges and actions for the next two years
- Expected evolution (beyond 2010)

Biography

**Dr. BARTOLOME ARROYO-FERNANDEZ,
European Commission, Belgium**



BARTOLOME ARROYO-FERNANDEZ (Ingeniero Superior de Telecomunicacion 1972 UPM, Madrid, Spain; M.S. 1976, GWU, Washington DC) is currently deputy head of the group in the European Commission dealing with collaborative R&D on “Networked Audiovisual Services and Home Platforms”. He joined the European Commission in 1989 and since then he has been involved in managing the European R&D programs (RACE, ACTS and IST) particularly in the areas of satellite, wireless, mobile and personal communications. He was with Telefonica de Espana, where he was involved in advanced satcoms developments. He was a researcher at Comsat Labs and ITT Laboratories of Spain.

Thursday 30th of April

09:30-10:00

Keynote Speech 4: MIMO-LTE - A relevant step towards 4G

Prof. Thomas Kaiser, mimoOn GmbH, Germany

"Long Term Evolution" (LTE) is the next release of UMTS (more precisely E-UTRA) and was initiated to ensure the competitiveness of 3G technology during the next 10 years and beyond. LTE will be a completely packet-optimized radio-access technology with a new air interface. Similiar to other wireless standards "MIMO" meanwhile outgrows its research childhood and becomes a mandatory wireless technology - also for LTE. Moreover, OFDMA is applied for the downlink in order to achieve data rates of up to 100 Mbps and with SC-FDMA in the uplink the power efficiency of a mobile device remains high.

The aim of this talk is to address some basic signal processing schemes in LTE with special focus on MIMO. Moreover, the concept of MIMO based femtocells is addressed for indoor wireless broadband service and its relevance for future wireless communication systems is illustrated.

Table of Content:

- Introduction of LTE
- MIMO Basic principles
- MIMO Algorithms for LTE
- MIMO Field Experiments for Cellular Networks
- MIMO Based Femtocells
- Conclusions

Biography

**Prof. Thomas Kaiser,
mimoOn GmbH, Germany**



THOMAS KAISER received the Ph.D. degree in 1995 with distinction and the German habilitation degree in 2000, both from Gerhard-Mercator-University Duisburg and in electrical engineering (EE). In summer 2005 he joined Stanford's Smart Antenna Research Group (SARG) and in winter 2007 Princeton's EE department as a visiting professor. Now he holds a chair on communication systems at the Leibniz University of Hannover, Germany and is founder and CEO of the spin-off company mimoOn GmbH. Dr. Kaiser has published more than 100 papers and has co-edited four books on ultra-wideband and smart antenna systems. He is the founding Editor-in-Chief of the IEEE Signal Processing Society e-letter and Member-at-Large of the Board of Governors of the same society. His research interest focuses on applied signal processing with emphasis on multi-antenna systems, especially its applicability to ultra-wideband systems.

Technical Program

Monday
Aug. 27th, 2007

	Session 1: Video Coding for Wireless Communications Chair: Mohammad Ghanbari, University of Essex, UK
10:00-11:00	<p>S.1.1. Joint Error Concealment and Error Recovery for Consecutive Frame Losses under the Unbalanced Multiple Description Coding Architecture F. Huang, L. Sun, B. Li, Y. Zhong, (<i>Tsinghua University, China</i>)</p> <p>S.1.2 Improved the Initial QP Prediction method in H.264/AVC S. Y. Kwon, S. H. Lee and D. H. Lee (<i>DGIST, Korea</i>)</p> <p>S.1.3 Low-complexity video content adaptation for legacy user equipment S. R. Moiron (<i>I.T., Portugal</i>), P. A. Assuncao (<i>Polytechnic Institute of Leiria, Portugal</i>), S. M. Faria (<i>I.T., Portugal</i>), V. Silva (<i>I.T., Portugal</i>), A. Navarro (<i>I.T., Portugal</i>)</p> <p>S.1.4 Multiple Description Coding algorithms for H.264 coder L. Favalli and M. Folli (<i>University of Pavia, Italy</i>)</p> <p>S.1.5 Unequal Error Protection based on Objective Video Evaluation Model W. Ji, Y. Chen (<i>Chinese Academy of Science, China</i>), M. Chen (<i>University of British Columbia, Canada</i>) and Y. Kang (<i>Spreadtrum Communication, Canada</i>)</p>
11:00-11:30	Coffee Break
11:30-12:30	<p style="text-align: center;">Session 2: Image and Video Semantics for Mobile Multimedia Chair: Ebroul Izquierdo, Queens Mary, University of London, UK</p> <p>S.2.1 Patch-based Image Classification through Conditional Random Field Model G. Passino and E. Izquierdo (<i>Queens Mary, University of London, UK</i>)</p> <p>S.2.2 Delivering Multimedia Content in Enabled Cultural Spaces C. Sintoris, D. Raptis, A. Stoica, N. Avouris (<i>University of Patras, Greece</i>)</p> <p>S.2.3 Local Adaptive Contrast Adjustment in Digital Images G. Apostolopoulos and E. Dermatas (<i>University of Patras, Greece</i>)</p> <p>S.2.4 Bayesian Memory-Based Reputation System D. Guan, S. Lee and Y. K. Lee (<i>Kyung Hee University, Korea</i>) and H. Lee (<i>Korea University, Korea</i>)</p> <p>S.2.5 An Epidemiological Model for Semantics Dissemination C. Anagnostopoulos (<i>University of Athens, Greece</i>), S. Hadjiefthymiades (<i>University of Athens, Greece</i>) and E. Zervas (<i>TEI of Athens, Greece</i>)</p>

12:30-13:30	<p style="text-align: center;">Session 3: Multimedia Content Management Chair: Maja Matijasevic, FER, University of Zagreb, Croatia</p> <p>S.3.1 MPEG-7 based Service Guide for Mobile TV E. Gencpinar, T. Berber, G. Seckin and A. Alpkocak (<i>Dokuz Eylul University, Turkey</i>)</p> <p>S.3.2 A template based Production Chain R. Cazoulat and T. Le Bris (<i>France Telecom, France</i>)</p> <p>S.3.3 Design and Implementation of a Multimedia Content Delivery System for Portable Devices J. Gonzalez Arvelo and J. Paradells Aspas (<i>Technical University of Catalonia, Spain</i>)</p> <p>S.3.4 Multimedia Content Management Support in Next Generation Service Platforms A. Spedalieri (<i>Telefonica, Spain</i>), G. Sisto (<i>Telecom Italia, Italy</i>), P. Cesar (<i>CWI, Netherlands</i>), D. Melpignano (<i>Neos, Italy</i>), A. Sinfreu (<i>Telefonica, Spain</i>), I. Vaishnavi (<i>CWI, Netherlands</i>)</p> <p>S.3.5 IMS based IPTV Services- Architecture and Implementation B. Xu and D. Sivchenko (<i>T-Systems, Germany</i>), E. Mikoczy (<i>T-Systems, Slovakia</i>), V. Rakocevic (<i>City University, London</i>)</p>
	13:30-15:00 Lunch Break
15:00-16:15	<p style="text-align: center;">Session 4: Performance Evaluation of Multimedia Services over Wireless Networks Chair: Aggelos Rouskas, Aegean University, Greece</p> <p>S.4.1 Experimental evaluation of community-based WLAN voice and data services P. Frangoudis, G. Polyzos, V. Kemerlis, D. Paraskevaidis and E. Efstathiou (<i>AUEB, Greece</i>)</p> <p>S.4.2 Performance Evaluation of IEEE 802.11e based on ON-OFF Traffic Model I. Papapanagiotou, J. Vardakas, M. Logothetis and S. Kotsopoulos (<i>University of Patras, Greece</i>) and G. Paschos (<i>VTT, Finland</i>)</p> <p>S.4.3 An Improved Medium Access Control Scheme for Multimedia Wireless LAN G. Min and M. Abu-Tair (<i>University of Bradford, UK</i>)</p> <p>S.4.4 Performance Evaluation of Video Streaming over Ad-hoc Networks using Flat and Hierarchical Routing Protocols J. C. Guerri, P. A. Vila, P. Arce (<i>University Politechnique of Valencia, Spain</i>) and O. Lazaro (<i>Innovalias Association, Spain</i>)</p> <p>S.4.5 Optimizing Location Positioning Using Hybrid TOA-AOA Techniques in Mobile Cellular Networks N. Deligiannis and S. Kotsopoulos (<i>University of Patras, Greece</i>) and S. Louvros (<i>TEI of Mesolonghi, Greece</i>)</p> <p>S.4.6 Formulation of Optimization Problems for Access Selection in Next Generation Wireless Networks A. Kikilis and A. Rouskas (<i>University of Aegean, Greece</i>)</p>

16:15-16:45	Coffee Break
16:45-17:45	Session 5: Transport protocols for multimedia Chair: Luigi Atzori, University of Cagliari, Italy
	S.5.1 Balancing Video on Demand Flows over Links with Heterogeneous Delays G. Palazzi and M. Roccetti (<i>University of Bologna, Italy</i>), M. Gerla, G. Pau, G. Marfia and M. Sanadidi (<i>UCLA, USA</i>)
	S.5.2 Improving the Delivery of Multimedia Embedded in HTML over HTTP on Wireless Networks A. Serbinski and A. Abhari (<i>Ryerson University, Canada</i>)
	S.5.3 Satellite Multibeam Signaling for Multimedia Services S. K. Chronopoulos, C. Koliopoulos and C. Angelis, (<i>TEI of Epirus, Greece</i>)
	S.5.4 Providing Reliability and QoS in Multi-Hop Wireless Networks: The ADHOCSYS Approach P. Buccioli and L. Leschiutta, (<i>Politecnico di Torino, Italy</i>), N. Fragoulis (<i>University of Patras, Greece</i>), F. Y. Li (<i>University Graduate Center, Norway</i>) and G. Zicca and L. Vandoni (<i>Emisfera Società Cooperativa, Italy</i>)
S.5.5 Applying formal methods for the design of wireless telecommunication systems K. Antonis (<i>TEI of Lamia, Greece</i>) and N. Voros (<i>TEI of Mesolonghi, Greece</i>)	
20:30	Buffet at Miguel Cervantes Cultural Center at Nafaktos Port (Sponsored by the Municipality of Nafaktos)

Tuesday
Aug. 28th, 2007

Session 6: Multimedia QoS in Wireless Networks	
Chair: Georgios Kormentzas, Aegean University of Aegean, Greece	
10:00-11:00	<p>S.6.1 A Data Specification Model for Multimedia QoS Negotiation L. Skorin-Kapov (<i>Ericsson Nikola Tesla, Croatia</i>) and M. Matijasevic (<i>FER, Croatia</i>)</p> <p>S.6.2 QoS Mapping and Adaptation Control for Multi-User Sessions over Heterogeneous Wireless Networks E. Cerqueira, L. Veloso, T. Sousa, M. Curado and E. Monteiro (<i>University of Coimbra, Portugal</i>), and P. Mendes (<i>DoCoMo EuroLabs, Germany</i>)</p> <p>S.6.3 IP Telephony over Satellite Networks: Control of the Payout Delay to Maximize the Perceived Quality F. Boi and L. Atzori and M. L. Lobina (<i>University of Calgary, Italy</i>)</p> <p>S.6.4 UMTS Turbo Decoder Dynamic Reconfiguration for Rural Outdoor Operating Environment C. Chaikalas and C. Liolios (<i>TEI of Lamia, Greece</i>)</p> <p>S.6.5 Joint Scalable Video Coding and Packet Prioritization for Video Streaming over DiffServ/WLAN T. Pliakas and G. Kormentzas (<i>University of Aegean, Greece</i>) and S. Tsekeridou (<i>AIT, Greece</i>)</p>
11:00-11:30	Coffee Break
Session 7: Cross-Layer for Multimedia Communications	
Chair: Stavros Kotsopoulos, University of Patras, Greece	
11:30-12:30	<p>S.7.1 Dynamic Resource Allocation for IEEE802.16e (<i>Invited Paper</i>) A. Nascimento (<i>University of Madeira, Portugal</i>), J. Rodriguez and A. Gameiro (<i>I.T., Portugal</i>) and C. Politis (<i>OFCOM, UK</i>)</p> <p>S.7.2 Stochastic Packet Reconstruction for Subjectively Improved Audio Delivery over WLANs A. Floros, M. Avlonitis and P. Vlampos, (<i>Ionian University, Greece</i>)</p> <p>S.7.3 A Link Adaptive Transport Protocol for Multimedia Streaming Applications in Multi-Hop Wireless Networks P. Navaratnam, R. Tafazolli and H. Cruickshank (<i>CCSR, University of Surrey, UK</i>)</p> <p>S.7.4 Adaptive Link Layer Protocol for Shared Wireless Links G. Xylomenos and M. Makidis (<i>AUEB, Greece</i>)</p> <p>S.7.5 Synchronized Audio Redundancy Coding for Improved Error Resilience in Streaming over DVB-H V. K. Malamal Vadakital (<i>Tampere University of Technology, Finland</i>), M. Hannuksela (<i>Nokia Research Center, Finland</i>), S. Jumisko-Pyykko (<i>Tampere University of Technology, Finland</i>)</p>

12:30-13:30	<p align="center">Session 8: Multimedia Transmission in Wireless/Mobile Networks Chair: Magda El-Zarki, University of California-Irvine, USA</p>
	<p>S.8.1 Enhancing Fairness in Wireless Multi-Hop Networks D. D. Vergados, D. Vouyioukas, A. Sgora and I. Anagnostopoulos (<i>University of Aegean, Greece</i>) and D. J. Vergados (<i>NTUA, Greece</i>)</p>
	<p>S.8.2 Intelligent Packet Scheduling for optimized video transmission over wireless networks I. Politis (<i>University of Patras, Greece</i>), T. Dagiuklas (<i>TEI of Mesolonghi, Greece</i>), T. Pliakas (<i>University of Aegean, Greece</i>), S. Kotsopoulos (<i>University of Patras, Greece</i>) and M. Tsagkaropoulos (<i>University of Patras, Greece</i>)</p>
	<p>S.8.3 Dynamic channel coding for efficient Motion JPEG2000 video streaming over Mobile Adhoc networks Max Agueh and J. F-Diouris (<i>IREENA, France</i>), M. Diop (<i>ESP, Senegale</i>), F-O. Devaux, (<i>UCL, Belgium</i>)</p>
	<p>S.8.4 Low Buffering and Waiting-Time Video-On Demand Broadcasting Scheme for WiMax J. Chen and J-H. Sun, (<i>Chang Gang University, Taiwan</i>)</p>
13:30-15:00	Lunch Break
15:00-16:00	<p align="center">Session 9: Security Platforms for Mobile Multimedia Chair: Nicolas Sklavos, TEI of Mesolonghi, Greece</p>
	<p>S.9.1 Phising Attacks and Solutions (<i>Invited Paper</i>) M. Barda and S. El-Sawda (<i>CNRS, France</i>) and I. Hajjeh (<i>ESR Group, France</i>)</p>
	<p>S.9.2 Attribute Delegation in Ubiquitous Environments I. Agudo, J. Lopez and J. A. Montenegro, (<i>University of Malaga, Spain</i>)</p>
	<p>S.9.3 Recovery model for free-roaming mobile agent against multiple attacks S. Venkatesan and C.Chellappan (<i>Anna University, India</i>)</p>
	<p>S.9.4 AAA in Mobile Networks: Security Aspects and Architectural Efficiency N. Sklavos, (<i>TEI of Mesolonghi, Greece</i>), S. Denazis and O. Koufopavolou (<i>University of Patras, Greece</i>)</p>
<p>S.9.5 NASS-IMS bundled Authentication Study through Core Network Concepts G. Kostopoulos and O. Koufopavlou, (<i>University of Patras, Greece</i>)</p>	
16:00-16:15	Coffee Break

16:15-17:00	<p style="text-align: center;">Session 10: Mobile Multimedia Security Chair: Nicolas Sklavos, TEI of Mesolonghi, Greece</p> <p>S.10.1 Protecting Free Roaming Mobile agent against Multiple Colluded Truncation Attacks S. Venkatesan and C.Chellappan (<i>Anna University, India</i>)</p> <p>S.10.2 An Optimal Low-Power/High Performance DDP-based Corba-H64 Cipher A. Rjoub and M. Musameh (<i>Jordan University of Science and Technology, Jordan</i>) and O.Koufopavlou (<i>University of Patras, Greece</i>)</p> <p>S.10.3 An FPGA-based Implementation of the Pomarach Stream Cipher P. Kitsos (<i>Hellenic Open University, Greece</i>) and O. Koufopavlou, (<i>University of Patras, Greece</i>)</p> <p>S.10.4 Implementation Aspects of a Delegation System I. Agudo, J. A. Montenegro and J. Lopez, (<i>University of Malaga, Spain</i>)</p>
17:00-18:00	<p style="text-align: center;">Session 11: Mobile Content Delivery Platforms Chair: Vassilis Triantafyllou, TEI of Mesolonghi, Greece</p> <p>S.11.1 Reliability Considerations in Mobile Devices I. Vogiatzis and S. Sinitos (<i>TEI of Athens, Greece</i>), D. Kavvadias (<i>University of Patras, Greece</i>), H. Antonopoulou, (<i>CTI, Greece</i>)</p> <p>S.11.2 High Definition multimedia display architecture for tiny mobile Smartphones B. Steinke, <i>Nokia, Finland</i></p> <p>S.11.3 Mobile Learning Combined with RFID for Technical and Vocational Education and Training G-J. Horng, C-F. Horng and C-S. Sun (<i>National Kaohsiung University of Applied Sciences, Taiwan</i>)</p> <p>S.11.4 Prototyping a WLAN system using C++ based Architecture Exploration N. Voros (<i>TEI of Mesolonghi, Greece</i>) and K. Masselos (<i>University of Peloponnese, Greece</i>)</p>
20:00	Gala Dinner

Wednesday
Aug. 29th, 2007

	Session 12: Convergence among Mobile Multimedia Services and Fourth-Generation Wireless Networking Standards Chair: Claudio Saachi, University of Trento, Italy
9:30-10:45	<p>S.12.1 Implementing a VIPSec Based Application for Handhelds: Design and Optimization Issues S. Kopsidas, D. Zisiadis, L. Tassioulas, (<i>University of Thessaly, Greece</i>)</p> <p>S.12.2 SDR application for implementing an integrated UMTS/WiMAX PHY-layer architecture O. Zlydareva and C. Sacchi, (<i>University of Trento, Italy</i>)</p> <p>S.12.3 A Proposed Model for MC-CDMA In-Place Wavelet Transform S. Salih (<i>University of Al-Anbar, Iraq</i>), N. Uzunoglu (<i>NTUA, Greece</i>), L. A. Kadhim, (<i>University of Technology, Iraq</i>), L. A. El_Anzy (<i>Al-Mousaib Technical College, Iraq</i>)</p> <p>S.12.4 Handover Provisioning in WCDMA Systems D. Skoutas, A. Rouskas and S. A. El-atty, (<i>University of Aegean, Greece</i>)</p> <p>S.12.5 Data queuing in GPRS/4G Networks J. Pylarinos and S. Kotsopoulos (<i>University of Patras, Greece</i>), S. Louvros and G. Asimakopoulos (<i>TEI of Mesolonghi, Greece</i>)</p> <p>S.12.6 Analysis and design of a WLAN OFDM transmitter with digital filters E. Fotopoulou, P. Kolobos and T. Stouraitis (<i>University of Patras, Greece</i>)</p>
10:45-11:15	Coffee Break
11:15-12:15	<p style="text-align: center;">Session 13: Multimedia over sensor networks</p> <p>S.13.1 Cooperative Caching in Wireless Multimedia Sensor Networks D. Katsaros, Y. Manolopoulos, N. Dimokas (<i>Aristotle University, Greece</i>)</p> <p>S.13.2 Stream Data Gathering in Wireless Sensor Networks within Expected Lifetime L. Shu, Z. Zhou, A. Aguilar and M. Hauswirth (<i>DERI, Ireland</i>)</p> <p>S.13.3 Enhanced Route Selection for Energy Efficiency in Wireless Sensor Networks D. J. Vergados (<i>NTUA, Greece</i>), N. Pantazis, (<i>University of Aegean, Greece</i>) and D. D. Vergados (<i>University of Aegean, Greece</i>)</p> <p>S.13.4 A Real Time RFID Enhanced haulage monitoring system G. Asimakopoulos and V. Triantafyllou (<i>TEI of Mesolonghi, Greece</i>) and I. Mourtos (<i>University of Patras, Greece</i>)</p> <p>S.13.5 A wireless infrared sensor network for the estimation if the position and orientation of a moving target N. Petrelis and G. Alexiou (<i>University of Patras, Greece</i>), Hannuksela (<i>Nokia Research Center, Finland</i>), S. Jumisko-Pyykko (<i>Tampere University of Technology, Finland</i>)</p>

Session 14: Context Awareness in Ubiquitous Environment	
Chair: Thanos Demiris, European Dynamics, Greece	
12:15-13:30	<p>S.14.1 Context Revisited: Current research in context aware multimedia systems T. Demiris (<i>European Dynamics, Greece</i>)</p> <p>S.14.2 Supporting Smart Space Infrastructures: A Dynamic Context-Model Composition Framework S. Sathish and C. di Flora (<i>Nokia Research Center, Finland</i>)</p> <p>S.14.3 Efficient Context Management in Context-Aware Environments S. De Zutter, J. Slowack, W. De Neve and R. Van de Walle (<i>Ghent University, Belgium</i>)</p> <p>S.14.4 Multimedia Ontologies L. Seimeni and A. Kameas (<i>Hellenic Open University, Greece</i>)</p> <p>S.14.5 A Smart Calendar Application for Mobile Environments G. Gkekas, A. Kyrikou, K. Lambropoulou and N. Ioannidis (<i>Intracom Telecom, Greece</i>)</p> <p>S.14.6 Multi-camera indoor video processing for context awareness L. Marcenaro, I. Magliano, M. Valla and C.S. Regazzoni (<i>University of Genoa, Italy</i>)</p>
13:30-15:00	Lunch Break
15:00-15:30	Concluding Remarks

Authors

- Abdolreza Abhari, S5.2
- Mamun Abu-Tair, S4.3
- Isaac Agudo, S9.2, S10.4
- Max Agueh, S8.3
- Antonio Aguilar, S13.2
- Laith Al-anzy, S12.3
- Adil Alpkocak , S3.1
- Christos Anagnostopoulos, S2.5
- Ioannis Anagnostopoulos, S8.1
- Constantinos Angelis, S5.3
- Konstantinos Antonis, S5.5
- Hera Antonopoulou, S11.1
- Georgios Apostolopoulos, S2.3
- Paulo Arce, S4.4
- Jose Gonzalez Arvelo, S3.3
- Josep Paradells Aspas, S3.3
- George Assimakopoulos, S12.5, S13.4
- Pedro Assuncao, S1.3
- Luigi Atzori, S6.3
- Markos Avlonitis, S7.2
- Nikolaos Avouris, S2.2
- Mohamad Badra, S9.1
- Tolga Berber, S3.1
- Fabrizio Boi, S6.3
- Paolo Buccioli, S5.4
- Pietro Camarda, S8.5
- Renaud Cazoulat, S3.2
- Eduardo Cerqueira, S6.2
- Pablo Cesar, S3.4
- Costas Chaikalis, S6.4
- Chenniappan Chellappan, S9.3, S10.1
- Min Chen, S1.5
- Yiqiang Chen, S1.5
- Spyridon Chronopoulos, S5.3
- Haitham Cruickshank, S7.3
- Marilia Curado, S6.2
- Tasos Dagiuklas, S8.2
- Nikos Deligiannis, S4.5
- Spyros Denazis, S9.4
- Evangelos Dermatas, S2.3
- Franc Devaux, S8.4
- Nikos Dimokas, S13.1
- Magaye Diop, S8.4
- Jean Diouris, S8.4
- Elias Efstathiou, S4.1
- Saied Abd El-atty, S12.4
- Samer El-Sawda, S9.1
- Sergio Faria, S1.3
- Lorenzo Favalli, S1.4
- Andreas Floros, S7.2
- Marco Folli, S1.4
- Eleni Fotopoulou, S12.6
- Pantelis Frangoudis, S4.1
- Nikos Fragoulis, S5.4
- Antonio Gameiro, S7.1
- Emin Gencpinar, S3.1
- Mario Gerla, S5.1
- Donghai Guan, S2.4
- Juan Carlos Guerri, S4.4
- Ibrahim Hajjeh, S9.1
- Manfred Hauswirth, S13.2
- Wen Ji, S1.5
- Yi Kang, S1.5
- Laith Kadhim, S12.3
- Dimitris Kavvadias, S11.1
- Vassilis Kemerlis, S4.1
- Pavlos Kolobos, S12.6
- Thierry Le Bris, S3.2
- Charalambos Liolios, S6.4
- Stathes Hadjiefthymiades, S2.5
- Miska Hannuksela, S7.5
- Chwen-Fu Horng, S11.3
- Gwo-Jiun Horng, S11.3
- Feng Huang, S1.1
- Ebroul Izquierdo, S2.1
- Lea Skorin-Kapov, S6.1
- Dimitrios Katsaros, S13.1
- Vasileios Kemerlis, S4.1
- Anastasios Kikilis, S4.6
- Paris Kitsos, S10.3
- Christos Koliopanos, S5.3
- Spyros Kopsidas, S12.1
- Georgios Kormentzas, S6.5
- Giorgos Kostopoulos, S9.5
- Stavros Kotsopoulos, S4.2, S4.5, S8.2, S12.5
- Odysseas Koufopavlou, S9.4, S9.5, S10.2, S10.3

- Soon-young Kwon, S1.2
- Oscar Lazaro, S4.4
- Dong-ha Lee, S1.2
- Heejo Lee, S2.4
- Sang-heon Lee, S1.2
- Sungyoung Lee, S2.4
- Young-Koo Lee, S2.4
- Luca Leschiutta, S5.4
- Bin Li, S1.1
- Frank Li, S5.4
- Mirko Luca Lobina, S6.3
- Michael Logothetis, S4.2
- Javier Lopez, S9.2, S10.4
- Spyros Louvros, S4.5, S12.5
- Michael Makidis, S7.4
- Yannis Manolopoulos, S13.1
- Maja Matijasevic, S6.1
- Gustavo Marfia, S5.1
- Konstantinos Masselos, S11.4
- Dario Melpignano, S3.4
- Paulo Mendes, S6.2
- Eugen Mikoczy, S3.5
- Geyong Min, S4.3
- Sandro Moiron, S1.3
- Edmundo Monteiro, S6.2
- Jose A. Montenegro, S9.2, S10.4
- Ioannis Mourtos, S.13.4
- Mohammed Musameh, S10.2
- Adriano Nascimento, S7.1
- Pirabakaran Navaratnam, S7.3
- Antonio Navarro, S1.3
- Ana Pajares, S4.4
- Claudio Palazzi, S5.1
- Ioannis Papapanagiotou, S4.2
- Dimitrios Paraskevaidis, S4.1
- Georgios Paschos, S4.2
- Giuseppe Passino, S2.1
- Giovanni Pau, S5.1
- Nikos Pantazis, S13.3
- Thomas Pliakas, S6.5, S8.2
- Christos Politis, S7.1
- Ilias Politis, S8.2
- George Polyzos, S4.1
- Jerry Pylarinos, S12.5
- Satu Jumisko-Pyykkö, S7.5
- Mariella Ragno, S8.6
- Veselin Rakocevic, S3.5
- Dimitrios Raptis, S2.2
- Abdoul Rjoub, S10.2
- Jonathan Rodriguez, S7.1
- Marco Rocchetti, S5.1
- Aggelos Rouskas, S4.6, S12.4
- Claudio Sacchi, S12.2
- Salih Salih, S12.3
- Medy Sanadidi, S5.1
- Gamze Seckin, S3.1
- Adam Serbinski, S5.2
- Aggeliki Sgora, S8.1
- Lei Shu, S13.2
- Vitor Silva, S1.3
- Christos Sintoris, S2.2
- Albert Sinfreu, S3.4
- Socratis Sinitos, S11.1
- Giuseppe Sisto, S3.4
- Dmitry Sivchenko, S3.5
- Nicolas Sklavos, S9.4
- Dimitrios Skoutas, S12.4
- Antonietta Spedalieri, S3.4
- Bernd Steinke, S11.2
- Adrian Stoica, S2.2
- Thanos Stouraitis, S12.6
- Domenico Striccoli, S8.5
- Chung-Shan Sun, S11.3
- Lifeng Sun, S.1.1
- Rahim Tafazolli, S7.3
- Leandros Tassioulas, S12.1
- Sofia Tsekeridou, S6.5
- Vassilis Triantafyllou, S13.4
- Michail Tsagkaropoulos, S8.2
- Nikolaos Uzunoglou, S12.3
- Vinod Kumar Malamal Vadakital, S7.5
- Ishan Vaishnavi, S3.4
- Lorenzo Vandoni, S5.4
- John Vardakas, S4.2
- Luis Veloso, S6.2
- Subramanian Venkatesan, S9.3, S10.1
- Dimitrios D. Vergados, S8.1, S13.3
- Dimitrios J. Vergados, S8.1, S13.3
- Panayiotis Vlamos, S7.2
- Nikolaos Voros, S5.5, S11.4
- Demosthenes Vouyioukas, S8.1
- Ioannis Voyiatzis, S11.1
- George Xylomenos, S7.4
- Bangnan Xu, S3.5
- Weiwei Yuan, S2.4
- Evangelos Zervas, S2.5
- Yuzhuo Zhong, S.1.1
- Zhangbing Zhou, S13.2
- Giampietro Zicca, S5.4
- Dimitris Zisiadis, S12.1
- Olga Zlydareva, S12.2

Excursions

Nafpaktos and the surrounding areas in Aitoloakarnania as well as Patras offer many opportunities to enjoy your free time, before and after attending [MOBIMEDIA07](#). For those who will decide to accompany a Conference delegate, a dream holiday plan is at hand! You can either choose to sign up for a tour, or spend your day leisurely swimming at one of the beautiful beaches in the suburbs of Nafpaktos and Rio.

DELPHI

Delphi "Now the serene sense is supping with the Gods". This was the sense of the poet Angelos Sikelianos, who between 1927 and 1930 revived the Delphic Festival in Delphi, the centre of earth, wishing to "instill the forgotten Delphic watchword in all human souls".

Delphi is one of the most beautiful and impressive landscapes of Greece. According to the ancient myth this is where the centre ("omphalos") of the world lies!

Legend has it that Delphi was the point where two eagles, which had been released by Zeus at different ends of the world, met again after their flight across the skies. Zeus threw the Sacred Stone at this exact point, and Delphi became known as the centre of the world.



The oracle of Delphi, home to the luminous god Apollo and a great religious centre for the ancient Greeks, lies on the slopes of mount Parnassus, in a dramatic scenery that creates a mystic atmosphere and offers breathtaking views to the Delphic gorge and the Corinthian bay beyond it. We will visit the Museum of Delphi with its spectacular findings including the world famous Charioteer, the Naxian Sphinx, the Statue of Antinoos and wonder at the ancient sanctuary of Apollo. The guided visit to the archaeological site and the museum will take us back to ancient times.



Delphi, was a sacred place which was inhabited by the Earth Goddess "Gea", and was guarded by her child, the serpent Python. Apollo, son of Zeus, left from the top of Mount Olympus to slay Python and therefore make this area his own shrine. After the slaying of Python, Apollo left Delphi in self-imposed exile, as both punishment, and to purify himself before returning. The area was named Delphi, after Delphis (meaning dolphin in Greek).

Delphi was the most important shrine in Greece during the Archaic period, (750-550 BC), and every Greek city which planned to start a colony overseas would first consult the Oracle before doing so. When these colonisations were successful, offerings from the people of the towns were sent to Delphi as a thank you gesture.



GALAXIDI

Driving back through a valley of olive groves we shall reach the port of Itea and the charming coastal town of Galaxidi. Noble and picturesque Galaxidi stands proudly at the west part of Crisaean Gulf. The historic Galaxidi with 1,400



inhabitants is built in a tiny fjord on the site of the ancient town of Oianthi. It is a nautical city that carries a heritage of 4,000 years and which reached a peak during the 1821 Liberation War. Many invaders tried to conquer Galaxidi during its history, such as Franks, Catalans, Knights of Rhodes and Turkish pirates. But the city resisted and nowadays it is one of the most

attracting Greek resorts. In the 19th century it knew great prosperity from shipping. Its vessels sailed across the seas prior to the appearance of coastal navigation. Today it is a delightful popular holiday spot both in summer and winter thanks to its well-preserved traditional architecture and its amenities for visitors.

Olympia is the Head quarters of the International Olympic Academy. The ceremony of the lighting of the Olympic Flame takes place at the temple of Hera and travels the globe to end its trip in the city that hosts the Olympic Games. The lighting of the flame follows the ancient ritual of using the power of the sun's rays concentrated within a concave mirror.

The Stadium, the Lyceum, the Temple of Zeus, the Temple of Hera, the Racetrack, are some of the region's innumerable parts, where someone is able to feel the sanctity of the area. The museums of Olympia entertain enough important exhibits with the most important being the statue of Hermes of Praxiteles.



Lighting ceremony of the Olympic Flame

The sanctuary of Olympia spreads around the green wooded feet of the Kronion hill, where the rivers Alpheios and Cladeos meet. This is one of the most important sanctuaries of antiquity, dedicated to the father of the 12 Gods, Olympian Zeus. An area of great natural beauty has been inhabited uninterruptedly since the 3rd millennium BC and in the late Mycenaean period it became a religious centre. Olympia is the birth-place of the Olympic Games and also where they were held. The region is a golden treasure for those who admire History and the Olympic Games.

