EURASIP

NEWS LETTER

ISSN 1687-1421, Volume 18, Number 4, December 2007

European Association
for Signal Processing

Newsletter, Volume 18, Number 4, December 2007

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President's Message

This issue of the EURASIP Newsletter is our fourth and last issue for 2007, and it will also be the last issue edited by EURASIP Officer Luca Simone Ronga. After several year of service, Luca is handing over the Newsletter Editorship to Ann Spriet of Katholieke Universiteit Leuven. I would sincerely like to thank Luca for his impeccable service and for his invested time and effort. I also wish to give a warm welcome to Ann, and trust she will continue to make our Newsletter an appreciated source of information.

In this last message of the year, I should also invite all our members to renew their membership. Those of you who have attended EUSIPCO-2007 in Poznan have already renewed their membership for 2008 through their conference registration. Those of you who did not attend this year's EUSIPCO will receive an invitation to renew their membership. We sincerely hope you will indeed continue to support our Association!

Our membership fees have been kept at the same level as last year, but we are now offering additional member benefits: EURASIP members receive EURASIP journals and selected books by Elsevier at discounted member prices, and will now (after a transition phase) also consistently enjoy registration fee discounts at conferences that are organized in co-operation with EURASIP. In addition, EURASIP members will receive a 10% discount on their Open Access publication charges for their publications in EURASIP/Hindawi journals, for all submissions after January 1st, 2008.

This brings me to another related issue, which is a change in how the publication charges of the EURASIP/Hindawi journals will be calculated for manuscripts submitted after January 1st, 2008. In response to author feedback that we have received, the seven EURASIP/Hindawi Open Access journals will be moving away from a per-page article processing charge to a flat, per-manuscript charge. The charge for all journals will be 900 Euros for manuscripts with at least one author who is a EURASIP member, and 1,000 Euros for manuscripts from non-EURASIP members. This will not only enable authors to know exactly how much their charges will be before submitting a manuscript, but it will also encourage the submission of longer manuscripts to these journals. Under this new model, the EURASIP member discount is larger than the membership fee, and so it offers a strong incentive to all future authors to continue their membership. I am convinced that these changes will strengthen our Open Access publication program as well as our Association as a whole.

Marc Moonen
President

Report on NOLISP '07, Paris, France

NOLISP (Non-Linear Speech Processing) was held in Paris during 22–25th May, with the support of the "University Pierre and Marie Curie," ISCA and EURASIP. It is the fifth event in non-linear speech processing after NOLISP '03 (Le Croisic, France), NOLISP '04 Summer School (Vietri Sul Mare, Italy), NOLISP '04 (Barcelona, Spain) and WNSP '05 (Heraklion, Greece). The previous events were organized jointly with the European action COST-277 "Non-Linear Speech Processing." NOLISP '07 is the first event after the end of the COST action with the idea of opening the community to other countries (USA, China, Canada, Tunisia, ...). 40 people attended the workshop, where 4 days with oral presentations were made (4 keynotes) with no parallel sessions, in a classical ISCA tutorial workshop. The goal of the workshop was to discuss about many specifities of the speech signal that are not well addressed by conventional models currently used in the field of speech processing. The purpose of the workshop was to present and discuss novel ideas, works and results, related to alternative techniques for speech processing, which depart from mainstream approaches. We had the following sessions: speech synthesis, speaker recognition, speech recognition, pattern recognition and feature extraction, speech enhancement, signal processing and speech analysis. The social program consisted of :

(i) a welcome breakfast on Tuesday morning;
(ii) a dinner on Wednesday evening, in the "salon Maison de l'Amérique."

Next workshop will be held in Vic in 2009. We are now soliciting journal papers not only from workshop participants but also other researchers for a special issue of Speech Communication on "Non-Linear and Non-Conventional Speech Processing."

Dr. Mohamed Chetouani
Chairman, NOLISP '07

Report on the Second Workshop on Multimedia Applications over Wireless Networks (MediaWiN 2007)

Following the success of the first MediaWiN 2006 in Athens, Greece, the Second Workshop on multiMedia Applications over Wireless Networks (MediaWiN 2007) was held in conjunction with the IEEE Symposium on Computers and Communications (ISCC 2007) in the beautiful landscape of Aveiro, in Portugal. We have been fortunate to receive sponsorship from the IEEE Computer Society and IEEE Communication Society, technical endorsement by the IEEE Technical Committee on Communications Systems Integration and Modeling (CSIM) and support by EURASIP (European Association for Signal-Image Processing). The second edition of the Workshop, MediaWiN 2007, attracted a number of very interesting papers and was attended by several researchers from all over the world. The success of the event was beyond our prospects, confirming the interest of the scientific community for the topics covered by the Workshop and, most notable, the demand for a Workshop that was specifically focused on such topics! MediaWiN 2007 offered the opportunity to leading researchers, industry professionals, and academics around the world to meet, present their work, and discuss the latest advances in multimedia systems, services, and applications over wireless networks. The aim of the forum was to disseminate research results, introduce novel applications, promote new ideas, share experiences with real systems and networks, and foster liaison creation between the research, scientific, and industrial communities.

The Technical Program Committee gathered 43 leading scientists and was assisted by 30 additional external reviewers, originating from more than 14 countries worldwide. MediaWiN 2008 has attracted 20 submissions and the final technical program encompassed 13 high-quality research papers of which 11 received after the open call (the acceptance ratio was 61.1%) and 2 invited contributions solicited by the organizers. All submitted papers were peer-reviewed by at least four independent reviewers (including two TPC members and two external reviewers) to ensure high quality and standards. We are very grateful for all the hard work done and the support offered by all the reviewers. The Workshop proceedings were published by IEEE and will be available in IEEEXplore.

More than 25 registered participants attended MediaWiN 2007. The keynote talk "The wild world of WLAN cards: can QoS confide on simulations and models?" was given by Ilenia Tinnirello (Department of Electrical Engineering, of the University of Palermo). The Best Paper award went to Rouzbeh Razavi, Martin Fleury and Mohammad Ghanbari (University of Essex, UK), for their paper entitled: "Fuzzy Control of Adaptive Timeout for Video Streaming over a Bluetooth Interconnect." Detailed information and photos are available at http://mediawin.it.teithe.gr/. We are looking forward to meeting you at the Workshop next summer 2008.

Dr. Periklis Chatzimisios
MediaWiN 2008 General Co-Chair

Paper presentations

MediaWiN 2007 Chairs: Kostas Pentikousis (left), Andrea Zanella, Ilenia Tinnirello, Periklis Chatzimisios and Vasileios Vitsas

Report on 2007 International Waveform Diversity and Design Conference (WDD07), Pisa, Italy

This year the third edition of the International Waveform Diversity and Design Conference (WDD07, www.waveformdiversity.org) was held in Pisa, Italy, the town of the Leaning Tower, at the MyHotels Galilei, from the 4th to the 8th of June 2007, chaired by Dr. Mike Wicks (AFRL, Rome, USA), Dr. Maria Greco (Univ. of PisA) and Dr. Vinny Amuso (Rochester Univ., USA). This third conference continued the success of the two previous editions in Edinburgh, UK and in Hawaii, USA by bringing together researchers from numerous diverse backgrounds and specialties to facilitate the exchange and cross-fertilization of ideas and research.

Thanks to the Technical Chairs Prof. Chris Baker (UCL, London) and Dr. Eric Mokole (NRL, USA) the conference had and excellent scientific program with 6 invited special sessions, 6 regular sessions, one whole day of very crowed poster sessions and 6 half-day tutorials presented on June 4: "Radar waveforms," by Dr. Clive Alabaster, "Biologically inspired waveform design" by Prof. Chris Baker, "Smart beamforming & coloured signals for MIMO radars," by Francois Le Chevalier, "Signal processing and systems engineering in waveform diversity," by Dr. Michael Wicks and Dr. Vinny Amuso, "MIMO systems: Diversity in communications" by Dr. Ravi Adve and, last but not least, "Effect of bandwidth on sensor performance" by Eric Mokole.

WDD07 had paper contributions from Europe, Northern and Southern Americas and Asia and Pacific. The conference was officially opened by Dr. Alfonso Farina, from SELEX-SI, with a fantastic plenary talk on "Waveform Diversity and Design: Past, Present and Future" and had a very funny moment during the Gala dinner speech of Prof. Marco Luise.

During the Gala dinner Francesca Zanier, Giacomo Bacci and Marco Luise (University of Pisa) received the award for the best student paper entitled "Non-Binary Spread Spectrum Signals with Good Delay-Tracking Features for Satellite Positioning." The 4th edition will take place in Orlando, Florida, in February 2009.

Report on the Joint Conference IWSSIP EC-SIPMCS 2007, Maribor, Slovenia

At the end of June 2007, the University of Maribor organised two international conferences concurrently, i.e., the 14th IWSSIP—International Conference on systems, Signals and Image Processing 2007 and 6th EC-SIPMCS—EURASIP Conference on Speech and Image Processing, Multimedia Communications and Services 2007. The events were organised in the modern multimedia lecture rooms of the new building of the Faculty of Electrical Engineering and Computer Science.

Figure 1 (left): The new building of the Faculty of Electrical Engineering and Computer Science, in which the conference was held.

Figure 2 (right): The participants of round table. From left: Mr.Jože Gašparič (Iskratel), Mr. Denis Šaruga (Elti). Professors: Paul Cristea, Yo-Sung Ho, Markus Rupp, Branka Zovko-Cihlar, Pavel Podhradsky, and Levent Onural.

The joint event was organised by the Faculty of Electrical Engineering and Computer Science, Laboratory for Signal Processing and Remote Control, under the auspices and sponsorship of EURASIP and IEEE. More than 130 participants from academia and industry attended the conference. 147 scientific papers were submitted from all over the world, from North and South America, Africa, Asia (esp. India and China), but mainly from Europe, especially Central and South-eastern Europe. The International Programme Committee selected 119 scientific papers for presentation (from 31 countries). Those papers were also published in the CD Proceedings, as well as in the hard copy Proceedings of Abstracts. Additionally, there were four keynote and four tutorial one hour long lectures. The invited lectures were held by distinguished internationally renowned professors, scientists and experts.

The first keynote speaker was Prof. Dr. K. R. Rao, IEEE Fellow, University of Texas Arlington, USA. His talk was about "Digital Video Image Quality and Perceptual Coding." Prof. Dr. M. Rupp, Vienna University of Technology, Austria, gave a presentation about his research on "Error Resilient Transmission of Video over Mobile Networks." Prof. Dr. L.

Onural, Bilkent University, Ankara, Turkey, gave "An Overview of Research in 3DTV," carried out by 19 institutions, coordinated by him within a European wide project, financed by the European Commission. Prof. Dr. H. Wechsler, George Mason University, Fairfax, Virginia, USA, presented achievements in "Robust Recognition-by-Parts Using Transduction and Boosting with Applications to Biometrics." Prof. Dr. Yo-Sung Ho, Gwangju Institute of Science and Technology, South Korea, gave an overview on "Multi-view Video Coding for 3D Multimedia Services." Dr. A. E. Mahdi, Department of Electronic & Computer Engineering, University of Limerick, Limerick, Ireland held an interesting tutorial about "Voice Quality Measurement in Modern Telecommunication Networks." Dr. M. Marković, Security Department, Banca Intesa, Belgrade, Serbia, entitled his tutorial "Data Protection Techniques, Cryptographic Protocols and PKI Systems in Modern Computer Networks." Prof. Jiri Jan, Brno University of Technology, Czech Republic, held a medically oriented tutorial on "Analysis of Fused Ophthalmologic Image Data."

One of the aims of the conference was to bring together experts and decision makers from academia and industry. They exchanged their views at a round table on the collaboration between scientists from academia, and researchers and engineers from industry. The participants also focused on the inter-regional co-operation in European projects, and trends in electronic communications. During the conference, representatives of leading Slovenian telecommunication companies presented their research and development achievements.

A rich social programme was held throughout the conference, which would be remembered by many participants for a long time. The participants could also enjoy in the Slovenian historical heritage and natural beauties at a guided trip to Žička Kartuzija Monastery. After the guided tour, a gala dinner was organised in a small mountain village Gorenje near Zreče. The participants could also visit the Festival Lent 2007, one of the biggest festivals in Central Europe with a reach cultural programme.

Dr. Dušan Caf
Telekom Slovenije
Organising Committee Member

Prof. Dr. Peter Planinšič
University of Maribor
Programme Chair

Prof. Dr. Žarko Čučej
University of Maribor
General Chair

Report on the 2007 IEEE International Workshop on Machine Learning for Signal Processing, MLSP 2007, Thessaloniki, Greece

The 17th IEEE International Workshop on Machine Learning for Signal Processing (http://mlsp2007.conwiz.dk) was held in Thessaloniki, Greece, during August 27–29, 2007. The event was sponsored by the IEEE Signal Processing Society and organized by the Machine Learning for Signal Processing Technical Committee (MLSP-TC) under the support of EURASIP, the PASCAL Network of Excellence, and the Alexander Technological Education Institute of Thessaloniki, Greece. This workshop is a premier international forum bringing together experts from both academia and industry working on all aspects of machine learning in relation to signal and image processing. This year 85 researchers from academia and industry participated in the workshop, while the technical program included 73 papers. Each paper has been reviewed by three independent reviewers and the highest ranking papers were selected to be presented in seven oral and two poster sessions. The program included papers in the following areas: genomic signal processing, pattern recognition and classification, image and video processing, blind signal processing, models, learning algorithms, and applications of machine learning. The program featured a Special Session on Genomic Signal Processing, chaired by Prof. Man-Wai Mak from Hong Kong Polytechnic University, Hong Kong. The session included four refereed papers by leading experts in the field.

The program also included four very exciting invited talks

- Feature Selection and Representation for Genomic Signal Processing, by Professor Sun-Yuan Kung, Princeton University, USA.
- Finding Hidden Factors in Large Spatiotemporal Data Sets, by Professor Erkki Oja, Helsinki University of Technology, Finland.
- Regularization path, sparsity and Pareto frontier in statistical learning (tutorial), by Professor Stéphane Canu, LITIS-INSA de Rouen, France.
- Characterisation of Signal Modality: Exploiting Signal Nonlinearity in Machine Learning and Signal Processing, by Professor Danilo P. Mandic, Imperial College, London, UK.

For the third year we continued the tradition of the Data Analysis Competition thanks to the efforts of Deniz Erdogmus, Vince Calhoun and Kenneth Hild. The goal of the competition was to blindly separate the convolutive mixture of two sources of real audio data given two observations. The winners of the competition presented their results based on state of the art BSS/ICA methods and were awarded their prizes in a special session.

Konstantinos Diamantaras
General Chairman, MLSP 2007
Alexander Technological Education Institute of Thessaloniki, Greece

Report on ICANN 07, in Porto, Portugal

The International Conference on Artificial Neural Networks 2007 (ICANN 07), organized by INEB—Instituto de Engenharia Biomédica with collaboration of the University of Beira Interior and ISEP—Instituto Superior de Engenharia do Porto, held at Ipanema Park Hotel, Porto, started on September 9 and ended on September 13. This is an itinerant conference and a premier event covering all topics related to neural networks and cognitive systems, sponsored by ENNS—European Neural Network Society in co-operation with JNNS—Japanese Neural Network Society. This conference was also sponsored by DEEC—Departamento de Engenharia Electrotécnica e de Computadores of FEUP—Faculdade de Engenharia da Universidade do Porto, Instituto Politécnico do Porto, INNS—International Neural Network Society, EURASIP, IEEE Computational Intelligence Society, Fundação Calouste Gulbenkian, Microsoft Research, Wi-Fi da PT—Portugal Telecomunicações, FCT—Fundação para a Ciência e Tecnologia and Fundação Luso-Americana.

All the 376 papers submitted were strictly and blind reviewed by 142 of the must dignified world experts on the conference areas. From this reviewing process, 196 papers were selected for publication and presentation (46.3% rejection rate). The proceedings (2 volumes) were published by the prestigious LNCS—Lecture Notes in Computer Science of Springer Verlag. From the best works, 10 will be published in a Special Issue of Elsevier's journal Neural Networks, after further reviewing.

Most of the papers were written by Europeans. Within Europe, the country with the larger contribution was Spain. The second most participative continent was Asia, with a high contribution of Japan. From the Americas, Brazil came third with a larger number of papers. From the 196 accepted papers, 27 papers were presented in oral special sessions; 123 papers were presented in oral regular sessions; 47 were presented in poster sessions.

Special sessions, organized by distinguished researchers, focused on significant aspects of current research, namely: emotion and attention, understanding and creating cognitive systems, temporal synchronization and nonlinear dynamics in neural networks, complex-value neural networks. In regular oral sessions, papers addressed the following topics: computational neuroscience and neurocognitive studies, applications in biomedicine and bioinformatics, spiking neural networks, data clustering, signal and times series processing, learning theory, advances in neural network learning methods, advances in neural network architectures, data analysis, neural dynamics and complex systems, ensemble learning, self-organization, robotics and control, pattern recognition, text mining and Internet applications, vision and image processing. Papers presented in poster sessions were organized in the following topics: real-world applications, signal and time series processing, advances in neural network architectures, advances in neural networks training, meta learning, independent component analysis, graphs, evolutionary computing, estimation, spatial-temporal learning.

Report on ICA 2007, 9–12th September, Queen Mary University of London

The 7th International Conference on Independent Component Analysis and Signal Separation (ICA 2007) was held at Queen Mary University of London from Sunday 9th to Wednesday 12th September 2007. This was the latest in a series of conferences held about every year and a half: previous conferences in this series were held in Aussois (France), Helsinki (Finland), San Diego (CA, USA), Nara (Japan), Granada (Spain) and Charleston (SC, USA). This year ICA 2007 was organized and sponsored by the ICA Research Network, a network of researchers in over 25 UK institutions and funded by the Engineering and Physical Sciences Research Council (EPSRC). Over 150 international delegates attended the conference.

The conference proper was preceded by tutorials on the Sunday afternoon. In the first tutorial, Remi Gribonval (IRISA-INRIA, France) discussed Sparse Representations, including how this relates to the problem of under-determined source separation (with more sources than microphones), and the new field of compressed sensing. Jose Principe (University of Florida, USA) then introduced Information Filtering, including using information theoretic learning to estimate entropy, and the use of Renyi's quadratic entropy as an alternative to the more well-known Shannon entropy.

On the Monday the conference was opened by Prof Adrian Smith FRS, Principal of Queen Mary, followed by the first keynote by Scott Makeig (UCSD, USA), on the use of independent component analysis (ICA) to observe cognitive brain dynamics, including some of the important practical issues involved. The remainder of the sessions were single-track throughout, with papers covering theory, algorithms and applications of source separation and ICA, including biomedical and audio applications. Papers on related techniques were included, such as on independent subspaces and sparsity. Poster and refreshment sessions were held in the magnificent "Octagon," originally built in the 19th Century as a library inspired by the British Museum reading room.

On Tuesday, the conference banquet was held at the Trafalgar Tavern, a riverside Pub in Greenwich. Transport was provided by historic double-decker buses as transport—much enjoyed by all! Two prizes were awarded at the conference: Richard Turner won "Best Student Paper" prize for his paper "Probabilistic Amplitude Demodulation;" and Frédéric Vrins, Dinh-Tuan Pham and Michel Verleysen won the "Best Paper" prize for their paper "Is the general form of Renyi's entropy a contrast for source separation?".

On the final day, Shoji Makino (NTT, Japan) gave the second keynote talk, on audio source separation, including methods working in the frequency domain, and those using direction of arrival estimates to help separate sources. After lunch, the conference was rounded off with a panel discussion on evaluation, chaired by Emmanuel Vincent (IRISA-INRIA, France). Evaluation is an increasingly important issue in the source separation community, and this panel featured lessons and results of the first "Stereo Audio Source Separation Evaluation Campaign," with posters from entrants featured in the final day's poster session. Thanks to all the input from many people, including the organizers, authors, reviewers, delegates and co-sponsors, including EURASIP, the conference was a great success.

Mark Plumbley

Report on the 49th International Symposium ELMAR-2007 focused on Mobile Multimedia, 12–14 September 2007, Zadar, Croatia

The 49th International Symposium ELMAR-2007 focused on Mobile Multimedia was organised by the Croatian Society Electronics in Marine—ELMAR, Zadar, Croatia, together with the Department of Wireless Communications, Faculty of Electrical Engineering and Computing, University of Zagreb, Croatia, during 12th, 13th, and 14th of September 2007. ELMAR-2007 symposium was organized in cooperation with The European Association for Signal, Speech and Image Processing—EURASIP. Symposium took place under the technical co-sponsorship of IEEE Signal Processing Society, IEEE Region 8 and IEEE Croatia Section. As every year, ELMAR-2007 symposium was supported by its general sponsor Tankerska plovidba Zadar. The ELMAR-2007 symposium programme consists of three keynote talks, and 8 sessions, where 57 papers written by 138 authors were presented. The authors of the papers presented in ELMAR-2007 symposium are prominent researchers from 19 different countries.

The keynote talks were: Professor Ramjee Prasad from the Aalborg University, Denmark—"Personal Network and 4G;" Dr. Ismail Khalil Ibrahim from Institute of Telecooperation, Johannes Kepler University Linz, Austria—"Mobile Multimedia: Bringing Users into Focus;" and Dr.-Ing. Elmar Noeth, Lehrstuhl fuer Mustererkennung, Friedrich-Alexander-Universitaet Erlangen-Nuernberg, Germany—"Does Multimodality Really Help? The Classification of Emotion and of On/Off-Focus in Multimodal Dialogue—Two Case Studies." As every year, social events were organized to offer a further opportunity to discuss both technical and non-technical subjects between attendees. First event was guided Zadar city sightseeing, with cocktail organized by Zadar County Prefect, Mr. Ivo Grbic, during one of the most beautiful sunsets in the world, and the second event was excursion by ship to Ugljan island.

Mislav Grgic
ELMAR-2007 Program Chair

Report from ISPA 2007, Istanbul, Turkey, September 27–29, 2007

5th International Symposium on Image and Signal Processing and Analysis (ISPA 2007) was held in Istanbul, Turkey, from September 27–29, 2007, and was the fifth in the series of biennial research meetings (www.isispa.org). ISPA 2007 was co-sponsored by EURASIP and by IEEE Region 8 and was jointly organized by Sabanci University, Istanbul, Bogazici University, Istanbul, and by University of Zagreb, Croatia. The program committee selected 102 out of 166 submissions (61% acceptance rate) for presentation at ISPA 2007. The papers were organized into 18 oral sessions that were scheduled into three parallel program tracks. The meeting had 98 registered participants. The following distinguished researchers presented plenary lectures at ISPA 2007:

- Professor *Yiannis Aloimonos*, University of Maryland, HAL: Human Activity Language
- Professor *Adrian Hilton*, University of Surrey, Guildford, UK, 3D Video for Entertainment Production
- Professor *Sergios Theodoridis*, University of Athens, Greece, Support Vector Machines: A Geometric Point of View
- Professor *Michael Unser*, EPFL, Lausanne, Switzerland, Splines and Operators: A Unifying Framework for Continuous-Discrete Signal Processing
- Professor *Lars Wanhammar*, Linköping University, Sweden, Energy-Aware DSP Algorithm Design

ISPA 2007 program included seven special sessions presenting state-of-the-art on various aspects of image and signal processing. The special sessions were organized and chaired by distinguished researchers from academia and industry: "Advances in Design and Implementation of Multirate Filters and Filter Banks", "Image-based Cardiovascular Modeling and Simulation," "Digital Shape: Analysis and Representation," "Mathematical Methods for Medical Image Processing and Analysis," "Probabilistic Graphical Models for Computer Vision and Pattern Recognition," "Advances and Applications in Bayesian Signal Processing," and "Medical Image Processing." Conference proceedings were printed in book form and on CD and will be published in IEEE Xplore digital library. Participants enjoyed social events including a welcome reception party, a gala dinner during Bosphorus boat cruise, and a sightseeing tour of Istanbul.

Aytul Ercil and Sven Loncaric
ISPA 2007 General Co-Chairs

Report on IMMERSCOM 2007, Bussolengo, Italy 10–12 October 2007

The first edition of the IMMERSCOM conference, held in Bussolengo in October 2007, has been for all presenters and participants a nice chance for enjoying the nice venue and the city of Verona, but most of all a great opportunity to start making a community in the area of Immersive Communications. Researchers from top institutions worldwide in immersive technologies and multimedia and representatives of leading industries had in fact the opportunity to meet, attend high quality presentations and keynote speeches and exchange ideas and contacts for future works and possible collaborations. The quality of the accepted papers was overall high, considering the keynote speeches given by Marc Cavazza from University of Teesside and Harlyn Baker from HP Laboratory. The papers were presented during 6 technical sessions spread among two and a half days; after each presentation interesting discussions took place after the attendees' productive questions. People have then the opportunity to visit Verona during an organized social event, a guided tour of the town followed by a typical dinner. The time reserved to technical and social activities was considered satisfying by all participants. To provide some numbers, 43 papers were submitted to the conference and 23 were accepted, the total number of papers in the technical program was 19 papers. More than 25 people attended the conference and the venue was more than adapt to hold such an event. Four students-authors were provided by a travel grant of $500 each (By Microsoft Research). They all attended the conference.

Ghassan Alregib
IMMERSCOM 2007 General Co-Chair

Calendar of Events

Year	Date	Event	Location	EURASIP Involvement	Chairperson/Information
2008	March 18–20	International Symposium on Signal Processing and its Applications,WoSPA08	Sharjah, UAE	Cooperation	B. Boashash http://www.sharjah.ac.ae/wospa
	May 28–30	3DTV Conference 2008	Istanbul, Turkey	Cooperation	Aydın Alatan, Uğur Güdükbay http://www.3dtv-con.org
	June 9–10	IAPR Workshop on Cognitive Information Systems	Santorini, Greece	Cooperation	Sergios Theodoridis http://cip2008.di.uoa.gr/
	June 18–20	6th International Workshop on Content-Based Multimedia Indexing (CBMI 2008)	London, UK	Cooperation	Ebroul Izquierdo http://cbmi08.qmul.net/
	June 29 to July 1	19th International Conference Biosignal 2008	Brno, Czech Republic	Cooperation	Jiri Jan http://www.dbme.feec.vutbr.cz/bs2008.html
	July 1–3	3rd International Conference on Image and Signal Processing (ICISP2008)	Cherbourg, France	Cooperation	Abderrahim Elmoataz, Fathallah Nouboud http://www.stlo.unicaen.fr/icisp2008/
	July 23–25	6th International Symposium on Communication Systems, Networks and Digital Signal Processing (CSNDSP2008)	Graz, Austria	Cooperation	Fary Ghassemlooy http://www.csndsp.com/
	August 25–29	16th European Signal Processing Conference (EUSIPCO 2008)	Lausanne, Suisse	Sponsor	Jean Philip Thiran http://www.eusipco2008.org/
	September 10–13	50th International Symposium ELMAR 2008	Zadar, Croatia	Cooperation	Mislav Grgic http://www.elmar-zadar.org
	October 6–8	10th International Workshop on Signal Processing for Space Communications, SPSC 2008	Rhodes, Greece	Cooperation	Nader Alagha http://conferences.esa.int

Markus Rupp; *Workshops/Confs Coordinator EURASIP*

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Uğur Güdükbay, Bilkent University, TR

A. Aydın Alatan,
Middle East Technical University, TR

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Gözde Bozdağı Akar,
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Industry Liaison:

Ismo Rakkolainen, FogScreen, FI

Matt Cowan, RealD, USA

American Liaison:

Kostas Danilidis,
University of Pennsylvania, USA

Far East Liaison:

Kiyoharu Aizawa, University of Tokyo, JP

Special Sessions and Tutorials Chairs:

Philip Benzie, University of Aberdeen, UK

Atanas Gotchev,
Tampere University of Technology, FI

Webmasters:

Engin Türetken,
Middle East Technical University, TR

Ayşe Küçükyılmaz,
Bilkent University, TR

Following the conference of 2007, the second 3DTV Conference will be held in Istanbul, Turkey in May, 2008. The aim of 3DTV-Con is to bring researchers from different locations together and provide an opportunity for them to share research results, discuss the current problems and exchange ideas.

The conference involves a wide range of research fields such as capturing 3D scenery, 3D image processing, data transmission and 3D displays. You are cordially invited to attend 3DTV-Con 2008 and submit papers reporting your work related to the conference themes listed below.

Conference Topics

3D Capture and Processing:
- 3D time-varying scene capture technology
- Multi-camera recording
- 3D photography algorithms
- Dense stereo and 3D reconstruction
- Synchronization and calibration of camera arrays
- 3D view registration
- Multi-view geometry and calibration
- Holographic camera techniques
- 3D motion analysis and tracking
- Surface modeling for 3D scenes
- Multi-view image and 3D data processing
- Integral imaging techniques

3D Transmission:
- Systems, architecture and transmission in 3D
- 3D streaming
- Error-related issues and handling of 3D video
- Hologram compression
- Multi-view video coding
- 3D mesh compression
- Multiple description coding for 3D
- Signal processing for diffraction and holographic 3DTV

3D Visualization:
- 3D mesh representation
- Texture and point representation
- Object-based representation and segmentation
- Volume representation
- 3D motion animation
- Stereoscopic display techniques
- Holographic display technology
- Reduced parallax systems
- Underlying optics and VLSI technology
- Projection and display technology for 3D videos
- Integral imaging techniques
- Human factors

3D Applications:
- 3D imaging in virtual heritage and virtual archaeology
- 3D teleimmersion and remote collaboration
- Augmented reality and virtual environments
- 3D television, cinema, games and entertainment
- Underlying Technologies for 3DTV
- Medical and biomedical applications
- 3D content-based retrieval and recognition
- 3D watermarking

Paper Submission

Contributors are invited to submit full papers electronically using the online submission interface, following the instructions at http://www.3dtv-con.org. Papers should be in Adobe PDF format, written in English, with no more than four pages including figures, with a font size of 11. Conference proceedings will be published online by IEEE Xplore.

Important Dates

Special sessions and tutorials proposals deadline:	14 December 2007
Regular paper submission deadline:	11 January 2008
Notification of paper acceptance:	29 February 2008
Camera-ready paper submission deadline:	21 March 2008
Conference:	28-30 May 2008

Sponsors

3DTV Network of Excellence

Bilkent University

Middle East Technical University

Institute of Electrical and Electronics Engineers

European Association for Signal and Image Processing

MPEG Industry Forum

BIOSIGNAL 2008

19-th Biennial International EURASIP Conference
Brno, Czech Republic
June 29 to July 1, 2008

Conference Chairman

Prof. Jiří Jan
Department of Biomedical Engineering
Brno University of Technology

Organiser

Department of Biomedical Engineering, Faculty of Electrical Engineering and Communication, Brno University of Technology

International Program Committee

a traditional 20-member board of experts will be established by September 1, 2007

Local Organising Committee

I. Provazník (chairman)
J. Jan
J. Kozumplík
J. Bardoňová
P. Fedra
R. Kolář
R. Jiřík

Conference Secretariat

BIOSIGNAL 2008 Conference
Department of Biomedical Engineering
Brno University of Technology
Kolejní 4
61200 Brno, Czech Republic
tel. (+420) 541 149 562
fax. (+420) 541 149 542
E-mail: bs2008@feec.vutbr.cz

IMPORTANT DATES

on-line registration
today till January 14, 2008

extended abstract deadline
January 14, 2008

conference opening
June 29, 2008

CALL FOR PAPERS

CONFERENCE PROFILE

A. Measurement and Interpretation of Physiological Signals
B. Medical Imaging and Image Analysis
C. Signal Based Modelling and Simulation in Biomedicine
D. Multimedial Data in Clinical Decision Making
E. Education in Biomedical Engineering/Medical Informatics

The conference should give a forum for information exchange among theoreticians, engineers, and medical people. Original papers, research results, and contributions concerning interesting technical solutions will be appreciated as well as clinical experiences and survey lectures for presentation in A, B, C, and D sessions. The development in curricula for graduate and postgraduate students of biomedical and clinical engineering and of medical informatics will be discussed in E session. There will be also a possibility for poster presentation in all sessions. The conference will be open to contributions from related fields.

STUDENT PAPER COMPETITION

The Student Paper Competition will provide opportunities for graduate and doctoral students to present their work to a panel of experts and to get special recognition from the biomedical engineering community.

CONFERENCE VENUE

The conference will be held in Brno, Czech Republic, in the central part of Europe. Brno is situated in a picturesque countryside and represents the centre of the province of Moravia. The city of Brno official information source can be found on **http://www.brno.cz**.

INFORMATION SOURCES

Prospective participants may get the information by E-mail at **bs2008@feec.vutbr.cz**. On-line registration, updates on conference news and technical program information will be provided continuously on **http://www.dbme.feec.vutbr.cz/bs2008.html**

EMB IEEE EURASIP

The Knowledge Network

Sixth International Conference on Content-Based Multimedia Indexing CBMI'08

18-20 June, 2008, London, U.K.

EURASIP

General Chairs:
Ebroul Izquierdo
Queen Mary, University of London, UK

***Technical Co- Chairs*:**
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University of Bordeaux, France

Arjen P. de Vries
Centrum voor Wiskunde en Informatica
The Netherlands

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EU Commission:
Roberto Cencioni
Head of Unit INFSO E2
European Commission

Luis Rodriguez Rosello
Head of Unit INFSO D2
European Commission

Special Session Chairs:
Stefanos Kollias
National Technical University of Athens
Greece

Gael Richard
GET-Télécom Paris, France

CBMI Practitioners:
Nikos Sarris
Athens Technology Center, Greece

Paulo Villegas
Telefónica I+D, Spain

Li-Qun Xu
British Telecommunications Plc, UK

Publicity and Publications Co-chairs:
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Technical University of Delft
The Netherlands

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Dublin City University, Ireland

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Divna Djordjevic
Qianni Zhang
Queen Mary, University of London, UK

Webmaster:
Giuseppe Passino
Queen Mary, University of London, UK

CBMI'08 Call for Papers

CBMI is the main international forum for the presentation and discussion of the latest technological advances, industrial needs and product developments in multimedia indexing, search, retrieval, navigation and browsing. Following the five successful previous events (Toulouse 1999, Brescia 2001, Rennes 2003, Riga 2005, and Bordeaux 2007), CBMI'08 will be hosted by Queen Mary, University of London in the vibrant city of London. The focus of CBMI'08 is the integration of what could be regarded as unrelated disciplines including image processing, information retrieval, human computer interaction and semantic web technology with industrial trends and commercial product development. The technical program of CBMI'08 will include presentation of invited plenary talks, special sessions as well as regular sessions with contributed research papers.

Topics of interest include, but are not limited to:

- Content-based browsing, indexing and retrieval of images, video and audio
- Matching and similarity search
- Multi-modal and cross-modal indexing
- Content-based search
- Multimedia data mining
- Summarisation and browsing of multimedia content

- Semantic web technology
- Semantic inference
- Semantic mapping and ontologies
- Identification and tracking of semantic regions in scenes

- Presentation and visualization tools
- Graphical user interfaces for navigation and browsing
- Personalization and content adaptation
- User modelling, interaction and relevance feed-back

- Metadata generation and coding
- Large scale multimedia database management

- Applications of multimedia information retrieval
- Analysis and social content applications
- Evaluation metrics

Paper submissions

Prospective authors are invited to submit papers using the on-line system at the conference website http://cbmi08.qmul.net/. Accepted papers will be published in the Conference Proceedings. Extended and improved versions of CBMI papers will be reviewed and considered for publication in Special Issues of IET Image Processing (formerly IEE Proceedings Vision, Image and Signal Processing) and EURASIP journal on Image and Video Processing.

Submission of full papers (to be received by):	**5 February, 2008**
Notification of acceptance:	**20 March, 2008**
Submission of camera-ready papers:	**10 April, 2008**

Workshop Venue

CBMI'08 will be held at Queen Mary, University of London, London, UK,
on June 18-20, 2008
For further information: http://cbmi08.qmul.net/.

6th International Symposium on
COMMUNICATION SYSTEMS, NETWORKS AND DIGITAL SIGNAL PROCESSING (CSNDSP'08)
23-25 July 2008, Graz University of Technology, Graz, Austria

www.csndsp.com

Hosted by: Institute of Broadband Communications, Department of Communications and Wave Propagation

Sponsored by:

IEEE | The Mediterranean Journals: - Computer & Networks - Electronics & Communications | IET | TU Graz Graz University of Technology | IEEE Communications Chapter - UK/RI | EURASIP | OVE

First Call for Papers

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Dr. Erich Leitgeb (Graz Univ. Austria) – *Local Organiser*

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Prof. O. Koudelka (Professor)
Dr U. Birnbacher
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Dr S Shioda (Chiba Univ. Japan)
Dr J Sodha (Univ. of West Indies, Barbados, W. Indies)
Dr I Soto (Santiago Univ. Chile)
Dr U Speidel (Univ. of Auckland, Newzeland)
Prof. M Stasiak (Poznan Univ. Poland)
Dr L Stergioulas (Brunel Uni. UK)
Prof. M Theologou (Nation. Tech. Univ. Athens, Greece)
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Dr P. Xiao (Queens Univ. UK)
Prof. M N Zervas (Southampton Univ. UK)

Following the success of the last event, and after 10 years, the CSNDSP steering committee decided to hold the next event at the Graz University, Austria. Graz was the 2003 cultural capital of Europe. CSNDSP, a biannual conference, started in UK ten years ago and in 2006 it was hold for the first time outside UK in Patras/Greece. CSNDSP has now been recognised as a forum for the exchange of ideas among engineers, scientists and young researchers from all over the world on advances in communication systems, communications networks, digital signal processing and other related areas and to provide a focus for future research and developments. The organising committee invites you to submit original high quality papers addressing research topics of interest for presentation at the conference and inclusion in the symposium proceedings.

Papers are solicited from, but not limited to the following topics:

- Adaptive signal processing
- ATM systems and networks
- Chip design for Communications
- Communication theory
- Coding and error control
- Communication protocols
- Communications for disaster management
- Crosslayer design
- DSP algorithms and applications
- E-commerce and e-learning applications
- Intelligent systems/networks
- Internet communications
- High performance networks
- Mobile communications, networks, mobile computing for e-commerce
- Mobility management
- Modulation and synchronisation
- Modelling and simulation techniques
- Multimedia communications and broadband services
- Microwave Communications
- New techniques in RF-design and modelling
- Network management & operation
- Optical communications
- Optical MEMS for lightwave networks
- RF/Optical wireless communications
- Photonic Network
- Quality of service, reliability and performance modelling
- Radio, satellite and space communications
- RFID & near field communications
- Satellite & space communications
- Speech technology
- Signal processing for storage
- Teletraffic models and traffic engineering
- VLSI for communications and DSP
- Wireless LANs and ad hoc networks
- 3G/4G network evolution
- *Any other related topics*

- Papers may be presented in the form of **Oral presentation and/or Poster**
- Contributions by **MPhil/PhD** research **students** are particularly encouraged.

Submission Dates:

Full Paper due:	**27th Jan. 2008**
Notification of acceptance by:	1st April 2008
Camera ready paper due:	5th May 2008

- Electronic submission by e-mail to: csndsp08@tugraz.at
- All papers will be refereed and published in the symposium proceeding. Selected papers will be published in: *The Mediterranean Journals of Computers and Networks* and *Electronics and Communications, and possibly IET proceedings*.
- **A number of travel grants and registration fee waivers will be offered to the delegates**.

Fees: 360.00 EURO, (Group Delegates of 3 persons: 760.00 Euro)
Includes: A copy of the Symposium Proceedings, Lunches, and Symposium Dinner on the 24th July.

CSNDSP'08 General Information
Contact: **Dr. Erich Leitgeb** - *Local Organising Committee Chair*

- Institute of Broadband Communications, Graz University of Technology, A-8010 Graz, Inffeldg. 12, Tel.: ++43-316-873-7442, Fax.: ++43-316-463697. Email: erich.leitgeb@tugraz.at, Web-site: http://www.inw.tugraz.at/ibk

50th International Symposium ELMAR-2008

September 10-13, 2008
Zadar, Croatia

Call for Papers

The 50th International Symposium ELMAR-2008, **the oldest conference in Europe**, will be traditionally held in the beautiful old town Zadar on the Croatian Adriatic coast. While the scientific program is expected to create stimulating professional interaction, the crystal clear Adriatic Sea, warm summer atmosphere and wealth of historic monuments promise a pleasant and memorable stay.

During the 50 years of activity ELMAR symposium became a significant scientific conference in the field of multimedia communications, image and video processing, navigation systems, speech and audio processing, telecommunications, wireless commununications, electronics in marine, naval architecture, sea ecology, and other advanced research areas. Besides, every year ELMAR symposium gathers specialists of various kinds (government representatives, navy, industry, universities and various business people from the region) to discuss the most recent issues and contribute to appropriate market development in Croatia.

The scientific program includes keynote talks by eminent international experts and contributed papers. Papers accepted by two independent reviewers will be published in symposium proceedings available at the symposium and abstracted in the INSPEC and IEEExplore database. ELMAR-2008 symposium is sponsored by the Croatian Society Electronics in Marine (ELMAR), technically co-sponsored by IEEE Signal Processing Society, IEEE Region 8 and IEEE Croatia Section, and organized in cooperation with EURASIP (European Association for Signal, Speech and Image Processing).

TOPICS

- Image and Video Processing
- Multimedia Communications
- Speech and Audio Processing
- Wireless Commununications
- Telecommunications
- Antennas and Propagation
- e-Learning and m-Learning
- Navigation Systems
- Ship Electronic Systems
- Power Electronics and Automation
- Naval Architecture
- Sea Ecology
- Special Session Proposals - *A special session consist of 5-6 papers which should present a unifying theme from a diversity of viewpoints*

KEYNOTE SPEAKERS

- TBD
- TBD
- TBD

SUBMISSION

"Author's Kit" is available here: **www.elmar-zadar.org** **IMPORTANT:** Web-based (online) submission of papers in PDF format is required for all authors. No e-mail, fax, or postal submissions will be accepted. Authors should prepare their papers according to ELMAR-2008 paper sample, convert them to PDF (based on IEEE requirements), and submit papers using web-based submission system by March 03, 2008.

SCHEDULE OF IMPORTANT DATES

Deadline for submission of full papers	March 03, 2008
Notification of acceptance mailed out by	April 21, 2008
Deadline for submission of camera-ready papers	May 05, 2008
Preliminary program available on the web-site by	May 12, 2008
Registration deadline	May 19, 2008
Accommodation deadline	June 02, 2008

For further information please visit:
www.elmar-zadar.org

ORGANIZING SPONSOR
Croatian Society Electronics in Marine - ELMAR

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* approval pending

10TH INTERNATIONAL WORKSHOP ON SIGNAL PROCESSING FOR SPACE COMMUNICATIONS

SPSC 2008

ORGANIZED BY

esa

SUPPORTED BY

IEEE COMMUNICATIONS SOCIETY CHAPTER GREECE

EURASIP

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Space Engineering

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SPACE HELLAS

RHODES ISLAND, GREECE
6-8 OCTOBER 2008

http://conferences.esa.int

FIRST CALL FOR PAPERS

OBJECTIVE

The main objective of the SPSC workshop is to provide an international forum for the scientific community, satellite industries, operators and service providers to present and discuss recent advances on signal processing techniques and related topics for space and satellite communication systems.

SPSC 2008 will provide a unique opportunity to share ideas, exchange related R&D experiences, learn about state-of-the-art techniques and technologies as well as to discuss current and future space communications needs and visions.

TOPICS OF INTEREST

- Mobile satellite multimedia broadcasting systems and techniques
- Broadband satellite communication systems and techniques
- Coding, modulation, synchronization and access techniques for space communications, telemetry and earth observation applications
- OFDM and spread spectrum techniques for satellite communications
- MIMO and diversity techniques for satellite communications
- Advanced high-rate digital modems for space communications
- On-board processing techniques and advanced payload architectures
- Cross-layer design of satellite networks and ad-hoc satellite networking
- Air Traffic Management (ATM) systems and techniques
- Signal processing for secure communications and signal intelligence applications

PAPER SUBMISSION GUIDELINES

Acceptance will be based on an extended abstract of about 600-1000 words. The extended abstract shall outline the work to be presented, its objectives and the achieved results including diagrams and figures in order to allow the reviewers to assess the novelty of the contribution.

All submissions shall be done electronically via the conference web site.

Corresponding authors of accepted abstracts will need to submit their final papers in the standard IEEE conference format available at the conference web site. Further instructions for the submission of the camera-ready version of the accepted papers will be sent to the corresponding authors.

Final manuscripts will be included in the conference proceedings provided that at least one of the authors has registered to the conference.

SPECIAL TECHNICAL EVENTS

Proposals for special sessions and tutorials focusing on advanced topics of interest to the attendees of SPSC 2008 as well as exhibitions and live demonstrations of company products are solicited.

Interested parties should contact the conference secretariat by 30 March 2008.

IMPORTANT DEADLINES

Submission of extended abstracts: **30 March 2008**
Notification of acceptance: **30 May 2008**
Submission of final papers and authors registration: **29 June 2008**

Artwork: Colossus of Rhodes by Salvador Dali

CONFERENCE COMMITTEE

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Technical Programme Chair
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Organizing Committee
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Konstantinos Liolis, ESA/ESTEC, The Netherlands

Conference Secretariat
ESA Conference Bureau
P.O. Box 299, 2200 AG Noordwijk, The Netherlands
E-mail: spsc2008@esa.int
Tel: +31 71 5655005
Fax: +31 71 5655658

WoSPA 2008

An International **W**orkshop **o**n **S**ignal **P**rocessing and its **A**pplications

18 – 20 March 2008, University of Sharjah, Sharjah, U.A.E.

Call For Papers

The 5th WoSPA is part of a series of workshops dedicated to signal processing theory and applications. It started in 1990 as part of the International Symposium on Signal Processing and its Applications (ISSPA-90). WoSPA was first held as a separate workshop in 1993 in Brisbane, Australia. It was followed by WoSPA97, WoSPA2000, WoSPA2002, and in 2005 it was merged with CCSP (International Conference on Communication, Computer and Signal Processing), which was held in Kuala Lumpur, Malaysia.

WoSPA provides a forum for engineers and scientists engaged in research and development in different fields and applications, with the common interest of Signal Processing, to discuss common objectives and applications, and to interact with leading specialists in the field. WoSPA encourages collaboration between industry, academia and government institutions.

This international workshop is organized by the University of Sharjah, UAE, and will take place on its premises on 18–20 March 2008.

Workshop Format: The workshop program is comprised of both oral and poster presentations. As in previous WoSPAs, it is intended that the morning session be mostly devoted to keynote and invited speakers, whereas the afternoon is for poster presentations, subject to the review of final submissions.

This fifth WoSPA will emphasize ***multidisciplinary research*** works involving signal processing in different engineering and fundamental fields. For that, four special sessions will be organized on:

- ✓ Multi-disciplinary research in Signal Processing
- ✓ Signal Processing for Civil and Architectural Engineering
- ✓ Emerging fields in Signal Processing
- ✓ Signal Processing for Renewable Energies.

Papers are invited in, but not limited to, the following topics:

- **Methods:** Statistical Signal and Array Processing, Time-Frequency/Time-Scale Analysis, Non-linear System Theory, Image and Multi-dimensional Signal Processing (SP), Independent Component Analysis, Wavelets and Multi-rate SP, Fractals, Machine Learning and Pattern Recognition, Digital Filter Design, Algorithms and Implementation, Sensor Networks, Genomics SP, Software Computing, Cross-Layer Design, others.

- **Applications:** Biomedical Signal Processing, Audio and Video Signal Processing, Radar and Sonar, Machine Vision, Coding, Encryption and Watermarking, Biometrics, Object Recognition, Detection and Tracking, Wireless Communications, Cooperative Communications, Guidance & Control, Speech Recognition & Speaker Identification, Multimedia Signal Processing, others.

For more details see: **www.sharjah.ac.ae/wospa**

Important Deadlines:

Full Paper Submission:
December 15, 2007
Notification of Acceptance:
February 01, 2008
Final Accepted Paper Submission:
February 15, 2008

Conference Secretary

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University of Sharjah, UAE
Tel : +971 6 505 0918
Fax :+971 6 505 0872
E-mail: hyahyaoui@sharjah.ac.ae

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Finance & Registration
C. B. Yahya
University of Sharjah, UAE

Social Events
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University of Sharjah, UAE

Industry Liaison
A.-K. Hamid
University of Sharjah, UAE

International Liaisons
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Université Paris XIII, France

S. Hussain, Asia
UTM University, Malaysia

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A. Benazza, Africa
Supcom, Tunisia

V. Chandran, Australia
Queensland Univ. of Technology, Australia

CALL FOR PAPERS

The 2008 European Signal Processing Conference (EUSIPCO-2008) is the sixteenth in a series of conferences promoted by EURASIP, the European Association for Signal, Speech, and Image Processing (www.eurasip.org). Formerly biannual, this conference is now a yearly event. This edition will take place in Lausanne, Switzerland, organized by the Swiss Federal Institute of Technology, Lausanne (EPFL).

EUSIPCO-2008 will focus on the key aspects of signal processing theory and applications as listed below. Exploration of new avenues and methodologies of signal processing will also be encouraged. Accepted papers will be published in the Proceedings of EUSIPCO-2008. Acceptance will be based on quality, relevance and originality. Proposals for special sessions and tutorials are also invited.

Areas of Interest

- *Audio and Electroacoustics*
- *Design and Implementation of Signal Processing Systems*
- *Image and Multidimensional Signal Processing*
- *Multimedia Signal Processing*
- *Signal Detection and Estimation*
- *Sensor Array and Multichannel Processing*
- *Signal Processing for Communications*
- *Speech Processing*
- *Education in Signal Processing*
- *Nonlinear Signal Processing*
- *Medical Imaging and Image Analysis*
- *Signal Processing Applications (Biology, Geophysics, Seismic, Radar, Sonar, Remote Sensing, Astronomy, Bio-informatics, Positioning etc.)*
- *Emerging Technologies*

Best Paper Awards

There will be a best paper and a student paper contest. Student authors who appear as first authors in a paper may enter the best student paper contest.

Submissions

Procedures to submit a paper, proposals for special sessions/tutorials, will be detailed at www.eusipco2008.org. Submitted papers must be camera-ready, final, no more than five pages long all inclusive and conforming to the format that will be specified on the EUSIPCO web site.

Important Dates

- Proposals for Special Sessions: **December 7, 2007**
- Proposals for Tutorials: **February 8, 2008**
- Electronic submission of Full papers (5 pages A4): **February 8, 2008**
- Notification of Acceptance: **April 30, 2008**
- Submission of Camera-Ready Papers: **May 31, 2008**
- Conference: **August 25-29, 2008**

www.eusipco2008.org

EURASIP

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EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING

Scope

The aim of the EURASIP Journal on Advances in Signal Processing is to highlight the theoretical and practical aspects of signal processing in new and emerging technologies. The journal is directed as much at the practicing engineer as at the academic researcher. Authors of manuscripts with novel contributions to the theory and/or practice of signal processing are welcome to submit their articles for consideration. All manuscripts undergo a rigorous review process. EURASIP Journal on Advances in Signal Processing employs a paperless, electronic review process to enable a fast and speedy turnaround in the review process.

EURASIP Journal on Advances in Signal Processing publishes two kinds of issues: regular issues and special issues. The regular issues publish collections of papers without special solicitation. The special issues are specifically targeted at topics of heightened interest; they consist of manuscripts contributed by authors responding to a particular Call-for-Papers. Regular papers can be submitted at any time, while special issue papers can only be submitted according to a planned schedule and submission guidelines as stated in the relevant Call-for-Papers. Proposals for special issues should be submitted directly to the Editor-in-Chief of the journal.

Subjects

Subject areas include, but are by no means limited to:

- Signal processing theory, algorithm, architecture, design, and implementation
- Speech processing, coding, compression, and recognition
- Audio signal processing, coding, and compression
- Image/video processing, coding, compression, restoration, analysis and understanding, and communications
- Multimedia signal processing and technology
- Signal processing for communications and networking
- Statistical and adaptive signal processing
- Nonlinear signal processing techniques
- Signal processing design tools
- Signal processing for security, authentication, and cryptography
- Analog signal processing
- Signal processing for smart sensor and systems

Application areas include (but are not limited to): communications, networking, sensors and actuators, radar and sonar, medical imaging, biomedical applications, remote sensing, consumer electronics, computer vision, pattern recognition, robotics, fiber optic sensing/transducers, industrial automation, transportation, stock market and financial analysis, seismography, avionics.

Indexed/Abstracted In

The articles of the EURASIP JASP are reviewed/indexed in ACM Guide to Computing Literature; Compendex; Computer and Communications Security Abstracts (CCSA); CSA Technology Research Database; Current Contents/Engineering, Computing, and Technology; Current Mathematical Publications; Google Scholar; INSPEC; Journal Citation Reports/Science Edition; Mathematical Reviews; MathSciNet; PaperChem; PASCAL Database; Science Citation Index Expanded; Scopus; Statistical Theory and Method Abstracts (STMA-Z); Technology and Management (TEMA Database); and Zentralblatt für Mathematik.

Editor-in-Chief

Ali H. Sayed, Electrical Engineering Dept., University of California, Los Angeles, CA 90095, USA

EURASIP JOURNAL ON AUDIO, SPEECH, AND MUSIC PROCESSING

Scope

The aim of EURASIP Journal on Audio, Speech, and Music Processing is to bring together researchers and engineers working on the theory and applications of EURASIP Journal on Audio, Speech, and Music Processing. EURASIP JASMP will be an interdisciplinary journal for the dissemination of all basic and applied aspects of speech communication and audio processes. Its primary objectives are:

- To publish papers on the advancement of both human speech communication science and automatic speech and audio systems
- To allow rapid and wide diffusion of excellent contributions in these areas
- To provide world-wide, barrier-free access to the full text of research articles
- To conduct a rapid but thorough review process in order to assure high quality papers
- To provide immediate web access once a paper is editorially approved

The journal will be dedicated to having original research work, but will also allow tutorial and review articles. Articles will deal with both theoretical and practical aspects of EURASIP Journal on Audio, Speech, and Music Processing.

Subjects

Subject areas include (but are not limited to):

- Speech and audio technology, as well as related science and engineering methods
- Speech analysis, synthesis, coding, recognition, speaker verification, language modeling and recognition, human speech production and perception, speech enhancement
- Room acoustics, human audition, analysis, synthesis, and coding of music and other audio, transducers, active sound and noise control
- Speech and audio separation, computational auditory scene analysis and independent component analysis
- Music signal analysis, synthesis and information retrieval

Indexed/Abstracted In

The articles of the EURASIP JASMP are reviewed/indexed in ACM Guide to Computing Literature; Compendex; CSA Technology Research Database; Directory of Open Access Journals (DOAJ); Google Scholar; INSPEC; Scopus; and Technology and Management (TEMA Database).

Editor-in-Chief

Douglas O'Shaughnessy, INRS-EMT (Place Bonaventure), 800 de la Gauchetiere west, suite 6900, Montreal, Quebec, Canada H5A 1K6

EURASIP JOURNAL ON BIOINFORMATICS AND SYSTEMS BIOLOGY

Scope

The overall aim of EURASIP Journal on Bioinformatics and Systems Biology is to publish research results related to signal processing and bioinformatics theories and techniques relevant to a wide area of applications into the core new disciplines of genomics, proteomics, and systems biology.

The journal is intended to offer a common platform for scientists from several areas including signal processing, bioinformatics, statistics, biology and medicine, who are interested in the development of algorithmic, mathematical, statistical, modeling, simulation, data mining, and computational techniques, as demanded by various applications in genomics, proteomics, system biology, and more general in health and medicine.

Papers should emphasize original results related to the theoretical and algorithmic aspects of signal processing and bioinformatics, in close connection with the applications to genomics, proteomics, systems biology and medicine. Tutorial papers, especially those emphasizing strong components of signal processing or bioinformatics in multidisciplinary views of genomics, proteomics and systems biology are also welcome. The journal will embrace a wide range of topics, and will accommodate different exposition styles, to help scientists with various backgrounds, e.g., engineering, bioinformatics, or biology, to interact effortlessly and to facilitate the exchange of information across the multidisciplinary areas involved. EURASIP JBSB employs a paperless, electronic submission and evaluation system to promote a rapid turnaround in the peer review process.

The journal publishes two types of issues: regular issues and special issues. Regular issues publish collections of papers without special solicitation. The special issues feature specifically aimed and targeted topics of interest contributed by authors responding to a particular Call-for-Papers or by invitation, edited by invited guest editor(s). Regular papers can be submitted at any time, while special issue papers can be submitted only based on planned schedules and submission guidelines of the Call-for-Papers. Proposals for special issues can be submitted directly to the Editor-in-Chief.

Subjects

Subject areas include (but are by no means limited to):

- Reverse engineering of biological circuits
- Data mining methods for genomics and proteomics
- Signal Processing theory and techniques for systems biology
- Modeling and simulation of biological networks
- Nanotechnology in genomics and proteomics
- Signal processing methods in sequence analysis

- Information theoretic approaches to genomics and proteomics
- Microarray image and data analysis
- Noise models in high-throughput technologies
- Integration of heterogeneous data

Indexed/Abstracted In

The articles of the EURASIP JBSB are reviewed/indexed in Academic Search Complete; ACM Guide to Computing Literature; Compendex; CSA Technology Research Database; Directory of Open Access Journals (DOAJ); EMBIO; Google Scholar; INSPEC; Open J-Gate; PubMed; PubMed Central; Scopus; and Technology and Management (TEMA Database).

Editor-in-Chief

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EURASIP JOURNAL ON EMBEDDED SYSTEMS

Scope

EURASIP Journal on Embedded Systems is an international journal that serves the large community of researchers and professional engineers who deal with the theory and practice of embedded systems, particularly encompassing all practical aspects of theory and methods used in designing homogeneous as well as heterogeneous embedded systems that combine data-driven and control-driven behaviors.

There are two different issues: regular issues and special issues. The regular issues publish collections of papers without special solicitation. The special issues have specifically aimed and targeted topics of interest contributed by authors responding to a particular Call-for-Papers or by invitation, edited by invited guest editor(s). Regular papers can submitted at any time, while special issue papers can be submitted only based on planned schedules and submission guidelines of the Call-for-Papers. Proposals for special issues can be submitted directly to Editor-in-Chief.

Subjects

Original full and short papers, correspondence and reviews on design and development of embedded systems, methodologies applied for their specification, modeling and design, and adaptation of algorithms for real-time execution are encouraged for submission.

The coverage includes complex homogeneous and heterogeneous embedded systems, specification languages and tools for embedded systems, modeling and verification techniques, hardware/software trade-offs and co-design, new design flows, design methodologies and synthesis methods, platform-based design, component-based design, adaptation of signal processing algorithms to limited implementation resources, rapid prototyping, computing structures and architectures for complex embedded systems, real-time operating systems, methods and techniques for the design of low-power systems, interfacing with the real world, novel application case studies and experiences, and does not exclude other interesting related and emerging topics like software defined radio. Example applications include wireless and data communication systems, speech processing, image and video-processing, digital signal processing applications as well as control and instrumentation.

Indexed/Abstracted In

The articles of the EURASIP JES are reviewed/indexed in ACM Guide to Computing Literature; Compendex; CSA Technology Research Database; Directory of Open Access Journals (DOAJ); Google Scholar; INSPEC; Open J-Gate; Scopus; and Technology and Management (TEMA Database).

Editor-in-Chief

Zoran Salcic, University of Auckland, Department of Electrical and Computer Engineering, Science Centre (Building 303, level 2, room 242), Private Bag 92019, 38 Princess Street, Auckland, New Zealand

EURASIP JOURNAL ON IMAGE AND VIDEO PROCESSING

Scope

EURASIP Journal on Image and Video Processing is intended for researchers from both academia and industry, who are active in the multidisciplinary field of image and video processing. The scope of the journal covers all theoretical and practical aspects of the domain, from basic research to application development.

Contributed articles on image and video processing may be focused on specific techniques (e.g., wavelets, mathematical morphology, Markov models), diverse functionalities and services (e.g., classification, compression, identification, protection, recognition, restoration and segmentation), within the context of various activity sectors (e.g., multimedia, medical, aerial, robotics, security, communications, arts) employing diverse data formats (e.g., black and white, gray scale, color, multi spectral, infra red, video, stereo, 3-D).

There are two different issues: regular issues and special issues. The regular issues publish collections of papers without special solicitation. The special issues have specifically aimed and targeted topics of interest contributed by authors responding to a particular Call-for-Papers or by invitation, edited by invited Guest Editor(s). Regular papers can submitted at any time, while special issue papers can be submitted only based on planned schedules and submission guidelines of the Call-for-Papers. Proposals for special issues can be submitted directly to the Editor-in-Chief.

Indexed/Abstracted In

The articles of the EURASIP JIVP are reviewed/indexed in Academic Search Complete; ACM Guide to Computing Literature; Directory of Open Access Journals (DOAJ); Google Scholar; INSPEC; Scopus; and Technology and Management (TEMA Database).

Editor-in-Chief

Jean-Luc Dugelay, EURECOM, France

EURASIP JOURNAL ON INFORMATION SECURITY

Scope

The overall goal of the EURASIP Journal on Information Security, sponsored by the European Association for Signal Processing (EURASIP), is to bring together researchers and practitioners dealing with the general field of information security, with a particular emphasis on the use of signal processing tools to enable the security of digital contents. As such, it addresses any work whereby security primitives and multimedia signal processing are used together to ensure the secure access to the data. Enabling technologies include watermarking, data hiding, steganography and steganalysis, joint signal processing and encryption, perceptual hashing, identification, biometrics, fingerprinting, and digital forensics.

The EURASIP Journal on Information Security is published using an open access publishing model, which makes the full-text of all peer-reviewed papers freely available online with no subscription or registration barriers. EURASIP Journal on Information Security employs a paperless, electronic submission and evaluation system to promote a rapid turnaround in the peer review process. Fairness and transparency of the review process are pursued by traditional and innovative means, including the possibility of reviewers of accepted papers to disclose their identity and publish a brief commentary together with the article.

In addition to creating an international forum for the publication of high quality papers in the broad range of information security, the EURASIP Journal on Information Security aims at reaching the highest quality standards with regard to the experimental section of published papers. To this aim it is required that, whenever present, experimental results are carried out and described by strictly adhering to the scientific principle of experiment reproducibility. For this reason, the editorial board will ensure that the following specific requirements are satisfied, along with the usual requirements of originality and theoretical rigour:

- All the algorithms proposed or tested within the papers must be accompanied by a detailed pseudo-code or block diagram description;
- All the parameters that are necessary to implement and run the algorithms must be listed in a proper table;
- The actual values of the parameters used for the experiments must be clearly detailed;
- A detailed description of the data set used for training or performance evaluation must be given.

At the same time, it is strongly recommended that the authors share the source code of the algorithms (written in a widely diffused language, e.g. ansi c-code) with readers and reviewers. To this aim specific tools are made available by the electronic submission procedure to upload any relevant piece of the software together with the manuscript. Once the paper is

accepted and published, the source code will be freely available to readers under the Creative Commons Non-Commercial License, which allows the free re-use of the source code for all non-commercial purposes.

In order to further facilitate the verification of results and the comparison among competing schemes, a section of the journal will be expressly devoted to experimental evaluation, i.e., papers whose goal is that of comparing existing systems, testing existing algorithms against new data sets, reporting experimental evidence that results published by someone else are wrong (in this last case software sharing is a mandatory requirement).

EURASIP Journal on Information Security publishes two types of issues: regular issues and special issues. Regular issues publish collections of papers without special solicitation. Special issues feature specifically aimed and targeted topics of interest contributed by authors responding to a particular Call for Papers or by invitation, edited by invited guest editor(s). Regular papers can be submitted at any time, while special issue papers can be submitted only based on planned schedules and submission guidelines of the Call for Papers. Proposals for special issues can be submitted directly to the Editor-in-Chief.

Subjects

Subject areas include (but are by no means limited to):

- Digital rights management
- Data hiding
- Watermarking
- Fingerprinting and traitor tracing
- Authentication
- Identification
- Perceptual hashing
- Steganography and steganalysis
- Joint signal processing and encryption
- Signal processing in the encrypted domain
- Biometrics
- Digital forensics

Editor-in-Chief

Mauro Barni, University of Siena, Italy

EURASIP JOURNAL ON WIRELESS COMMUNICATIONS AND NETWORKING

Scope

The overall aim of the EURASIP Journal on Wireless Communications and Networking (EURASIP JWCN) is to bring together science and applications of wireless communications and networking technologies with emphasis on signal processing techniques and tools. It is directed at both practicing engineers and academic researchers. EURASIP Journal on Wireless Communications and Networking will highlight the continued growth and new challenges in wireless technology, for both application development and basic research. Papers should emphasize original results relating to the theory and/or applications of wireless communications and networking. Review articles, especially those emphasizing multidisciplinary views of communications and networking, are also welcome. EURASIP Journal on Wireless Communications and Networking employs a paperless, electronic submission and evaluation system to promote a rapid turnaround in the peer-review process.

EURASIP Journal on Wireless Communications and Networking publishes two types of issues: regular issues and special issues. Regular issues publish collections of papers without special solicitation. Special issues feature specifically aimed and targeted topics of interest contributed by authors responding to a particular Call-for-Papers or by invitation, edited by invited Guest Editor(s). Regular papers can be submitted at any time, while special issue papers can be submitted only based on planned schedules and submission guidelines of the Call-for-Papers. Proposals for special issues can be submitted directly to the Editor-in-Chief.

Subjects

- Subject areas include, but are by no means limited to:
- Antenna systems and design
- Channel Modeling and Propagation
- Coding for Wireless Systems
- Multiuser and Multiple Access Schemes
- Optical Wireless Communications
- Resource Allocation over Wireless Networks
- Security, Authentication, and Cryptography for Wireless Networks
- Signal Processing Techniques and Tools
- Software and Cognitive Radio
- Wireless Traffic and Routing
- Ultra wide-band systems
- Vehicular networks
- Wireless Multimedia Communication
- Wireless sensor networks
- Wireless system architectures and applications

Indexed/Abstracted In

The articles of the EURASIP JWCN are reviewed/indexed in ACM Guide to Computing Literature; Compendex; CSA Technology Research Database; Current Contents/Engineering, Computing, and Technology; Directory of Open Access Journals (DOAJ); Google Scholar; INSPEC; Open J-Gate; PASCAL Database; Science Citation Index Expanded; Scopus; Technology and Management (TEMA Database); and Zentralblatt MATH Database

Editor-in-Chief

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SIGNAL PROCESSING

Editorial Policy

Signal Processing is an interdisciplinary journal presenting the theory and practice of signal processing. Its primary objectives are the following:

- dissemination of research results and of engineering developments to all signal processing groups and individuals;
- presentation of practical solutions to current signal processing problems in engineering and science.

The editorial policy and the technical content of the journal are the responsibility of the Editor-in-Chief and the Editorial Board. The journal is self-supporting from the subscription income and contains a minimum amount of advertisements. Advertisements are subject to the prior approval of the Editor-in-Chief. The journal welcomes contributions from every country in the world.

Scope

Signal Processing incorporates all aspects of the theory and practice of signal processing (analogue and digital). It features original research work, tutorial and review articles, and accounts of practical developments. It is intended for a rapid dissemination of knowledge and experience to engineers and scientists working on signal processing research, development, or practical application.

Subjects

Subject areas covered by the journal include: Signal Theory; Stochastic Processes; Detection and Estimation; Spectral Analysis; Filtering; Communication Signal Processing; Biomedical Signal Processing; Geophysical and Astrophysical Signal Processing; Earth Resources Signal Processing; Acoustic and Vibration Signal Processing; Signal Processing Systems; Software Developments; Image Processing; Pattern Recognition; Optical Signal Processing; Multidimensional Signal Processing; Data Processing; Remote Sensing; Signal Processing Technology; Speech Processing; Radar Signal Processing; Sonar Signal Processing; Special Signal Processing; Industrial Applications; New Applications.

Editor-in-Chief

B. Ottersten, Royal Institute of Technology, Stockholm, Sweden

SIGNAL PROCESSING: IMAGE COMMUNICATION

Editorial Policy

Signal Processing: Image Communication is an international journal for the development of the theory and practice of image communication. Its primary objectives are the following:

- to present a forum for the advancement of the theory and practice of image communication;
- to simulate cross fertilization between areas similar in nature which have traditionally been separated, for example, various aspects of visual communications and information systems;
- to contribute to a rapid information exchange between the industrial and academic environments.

The editorial policy and the technical content of the journal are the responsibility of the Editor-in-Chief and the Editorial Board. The journal is self-supporting from the subscription income and contains a minimum amount of advertisements.

Advertisements are subject to the prior approval of the Editor-in-Chief. The journal welcomes contributions from every country in the world.

Scope

Signal Processing: Image Communication publishes articles relating to aspects of design, implementation, and use of image communication systems. Signal Processing: Image Communication features original research work, tutorial and review articles, and accounts of practical developments.

Subjects

Subject areas covered by the journal include: TV, HDTV, and 3DTV systems; Visual Science; Image; TV and Advanced TV; Broadcasting; Image Storage and Retrieval; Graphic Arts; Electronic Printing; Image Transmission; Interactive Image Coding Communication; Imaging Technology; Display Technology; VLSI Processors for Image Communications.

Editor-in-Chief

M. Tekalp, Koç University, College of Engineering, Rumelifeneri Yolu, 34450 Sariyer, Istanbul, Turkey

SPEECH COMMUNICATION

Editorial Policy

The journal's primary objectives are the following:

- to present a forum for the advancement of human and human-machine speech communication science;
- to stimulate cross fertilization between different fields of this domain;
- to contribute towards the rapid and wide diffusion of scientifically sound contributions in this domain.

Speech Communication is an interdisciplinary journal whose primary objective is to fulfill the need for the rapid dissemination and thorough discussion of basic and applied research results. In order to establish frameworks of inter-relate results from the various areas of the field, emphasis will be placed on viewpoints and topics of a transdisciplinary nature. The editorial policy and the technical content of the journal are the responsibility of the Editors and the Institutional Representatives. The Institutional Representatives assist the Editors in the definition and the control of editorial policy as well as in maintaining connections with scientific associations, international congresses, and regional events. The Editorial Board contributes towards the gathering of material for publication and assists the Editors in the editorial process.

Scope

Speech Communication is an interdisciplinary journal for the development and dissemination of all basic and applied aspects of speech communication processes. Speech Communication features original research work, tutorial and review articles dealing with the theoretical, empirical, and practical aspects of this scientific field.

Subject Coverage

Subject areas covered in this journal include:

- Basics of oral communication and dialogue: modelling of production and perception processes; phonetics and phonology; syntax; semantics of speech communication; cognitive aspects.
- Models and tools for language learning: functional organisation and developmental models of human language capabilities; acquisition and rehabilitation of spoken language; speech and hearing defects and aids.
- Speech signal processing: analysis; coding; transmission; enhancement, robustness to noise.
- Models for automatic speech communication: speech recognition; language identification; speaker recognition; speech synthesis; oral dialogue.

- Development and evaluation tools: monolingual and multilingual databases; assessment methodologies; specialised hardware and software packages; field experiments; market development.
- Multimodal human-computer interface: using speech I/O in combination with modalities, for example, gesture and handwriting.

Editors-in-Chief

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Special Issue on

Cross-Layer Design for the Physical, MAC, and Link Layer in Wireless Systems

CALL FOR PAPERS

Motivation

Cross-layer design is a common theme for emerging wireless networks, such as cellular systems and ad hoc networks, though the objectives and requirements can be very different. A cross-layer approach is particularly important when designing protocols at the physical (PHY) and medium access control (MAC)/link layer for several reasons. The past decade gave birth to innovative techniques such as opportunistic communication, rate adaptation, and cooperative coding, which all require close interaction between layers. For example, optimizing the rate-delay tradeoff in a multiuser wireless system requires knowledge of PHY parameters such as channel state information (CSI) as well as delay information from the MAC. As another example, the notion of link in wireless relay systems is generalized towards a collection of several physical channels related to more than two nodes. The potential for novel solutions through cross-layer design is further seen in the fact that it motivates collaboration among researchers of different specialties, such as antennas and propagation, signal processing, error-control coding, scheduling, and networking (MAC) protocols.

This special issue is devoted to research efforts that use cross-layer design to jointly optimize the lowest two layers of the wireless communication systems. Such cross-layer solutions will have decisive impact in future wireless networks.

Contributions on the following and related topics are solicited:

- Random access protocols with multipacket reception (MPR), multiantenna MPR protocols
- MAC/ARQ protocols for multiantenna and wireless relay systems
- MAC-level consideration of time-varying channels: channel estimation, channel state information (CSI), and link adaptation
- MAC-level interference mitigation via management of PHY-level multiuser networks: for example, interfering multipleaccess (MA) channels
- MAC/PHY protocols and analysis of cognitive radio networks
- MAC protocols for PHY-restricted devices/circuitry (e.g., RFID)
- PHY-aware scheduling and resource allocation

- Analysis of fundamental tradeoffs at the PHY/MAC interface: rate-delay, energy-delay
- PHY/MAC/link aspects of network coding in wireless networks
- PHY/MAC issues in wireless sensor networks and distributed source co
- Cross-layer optimization of current standards (WiMAX, W-CDMA, etc.)
- Interaction of MAC/PHY design with the circuitry and the battery management

Authors should follow the EURASIP Journal on Advances in Signal Processing manuscript format described at http://www.hindawi.com/journals/asp/. Prospective authors should submit an electronic copy of their complete manuscript through the EURASIP Journal on Advances in Signal Processing Manuscript Tracking System at http://mts.hindawi.com/, according to the following timetable:

Manuscript Due	February 1, 2008
First Round of Reviews	May 1, 2008
Publication Date	August 1, 2008

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Special Issue on

Design and Architectures for Signal and Image Processing

CALL FOR PAPERS

The development of complex applications involving signal, image, and control processing is classically divided into three consecutive steps: a theoretical study of the algorithms, a study of the target architecture, and finally the implementation.

Today such sequential design flow is reaching its limits due to:

- The complexity of today's systems designed with the emerging submicron technologies for integrated circuit manufacturing
- The intense pressure on the design cycle time in order to reach shorter time-to-market, reduce development and production costs
- The strict performance constraints that have to be reached in the end, typically low and/or guaranteed application execution time, integrated circuit area, overall system power dissipation

An alternative approach to a traditional design flow, called algorithm-architecture matching, aims to leverage the design flow by a simultaneous study of both algorithmic and architectural issues, taking into account multiple design constraints, as well as algorithm and architecture optimizations, not only in the beginning but all the way throughout the design process.

Introducing such design methodology is also necessary when facing the new emerging applications such as high-performance, low-power, low-cost mobile communication systems and/or smart sensors-based systems.

This design methodology will have to face also future architectures based on multiple processor cores and dedicated coprocessors to achieve the required efficiency. NoC-based communications will become also mandatory for many applications to enable parallel interconnections and communication throughputs. Adaptive and reconfigurable architectures represent a new computation paradigm whose trend is clearly increasing.

This forms a driving force for the future evolution of embedded system designs methodologies.

This special issue of the EURASIP Journal of Embedded Systems is intended to present innovative methods, tools, design methodologies, and frameworks for algorithm-architecture matching approach in the design flow including system level design and

hardware/software codesign, RTOS, system modeling and rapid prototyping, system synthesis, design verification and performance analysis and estimation. Because in such design methodology the system is seen as a whole, this special issue will also cover the following topics:

- New and emerging architectures: SoC, MPSoC, configurable computing (ASIPs), (dynamically) reconfigurable systems using FPGAs
- Smart sensors: audio and image sensors for high performance and energy efficiency
- Applications: Automotive, medical, multimedia, telecommunications, ambient intelligence, object recognition, cryptography, wearable computing

This special issue is open to all contributions. Authors are invited to submit their papers addressing the domain of design and architectures for signal and image processing. We also strongly encourage authors who presented a paper to the DASIP 2007 workshop to submit an extended version of their original workshop contributions.

Authors should follow the EURASIP Journal on Embedded Systems manuscript format described at the journal site http://www.hindawi.com/journals/es/. Prospective authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking System at http://mts.hindawi.com/ according to the following timetable:

Manuscript Due	March 1, 2008
First Round of Reviews	June 1, 2008
Publication Date	September 1, 2008

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EURASIP JOURNAL ON EMBEDDED SYSTEMS

Special Issue on

Selected Papers from SLA++P 2007 Model-Driven High-Level Programming of Embedded Systems

CALL FOR PAPERS

Model-based high-level programming of embedded systems has become a reality in the automotive and avionics industries. These industries place high demands on the efficiency and maintainabiliy of the design process as well as on the performance and functional correctness of embedded components. These goals are hard to reconcile in the face of the increasing complexity of embedded applications and target architecures that we see today. Research efforts towards meeting these goals have brought about a variety of high-level engineering design languages, tools, and methodologies. Their strength resides in clean behavioral models with strong semantical foundations providing a rigorous way to go from a high-level description to provable, that is, mathematically certifiable, executable code.

Undebatably, the most successful representatives of this trend of putting logic and mathematics behind design automation in embedded systems (known as Mike Fourman's "Lambda" programme) are synchronous languages. Firmly grounded in clean mathematical semantics, they have been receiving increasing attention in industry ever since they emerged in the 1980s. Lustre, Esterel, Signal are now widely and successfully used to program real-time and safety critical applications, from nuclear power plant management layer to Airbus air flight control systems. Their recent successes in the automatic control industry highlight the benefits of formal verification and automatic code generation from high-level models.

Model-based programming is making its way in other fields of software engineering, too, often involving cyclic synchronous paradigms. Strong interest is emerging in component programming for large-scale embedded systems, in the link between simulation tools and compiler tools, in languages for describing the system and its environment, integrated tools for both compilation and simulation of more general models of communication and coordination, and so on. The impact of such unifying methodologies will depend, among other things, on the extent to which it will be possible to maintain the high degree of predictability and verifiability of system behavior that is the strength of the classic synchronous world.

Topics of interest for this special issue cover, among others, the following:

- Synchronous programming formalisms
- Novel language paradigms blending synchrony with asynchrony and nondeterminism, discrete with continuous control
- Techniques for component abstraction and refinement
- New models of communication and coordination for embedded systems
- Model-based compilation and simulation techniques
- Specification, verification, and model-based testing
- Case-studies, industrial and teaching experiences

Submission to this special issue limited to the participants of the SLA++P conference who have been invited to submit to this issue.

Authors should follow the EURASIP Journal on Embedded Systems manuscript format described at the journal site http://www.hindawi.com/journals/es/. Prospective authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking System at http://mts.hindawi.com/, according to the following timetable:

Manuscript Due	March 1, 2008
First Round of Reviews	June 15, 2007
Publication Date	September 1, 2008

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Special Issue on

3D Image and Video Processing

CALL FOR PAPERS

3D image and 3D video processing techniques have received increasing interest in the last years due to the availability of high-end capturing, processing, and rendering devices. Costs for digital cameras have dropped significantly and they allow the capturing of high-resolution images and videos, and thus even multi-view acquisition becomes interesting in commercial applications. At the same time, processing power and storage have reached the level that allows the real-time processing and analysis of 3D image information. The synthesized 3D information can be interactively visualized on high-end graphics boards that become available even on small mobile devices. 3D displays can additionally help to increase the immersiveness of a 3D framework. All these developments move the interest in 3D image and video processing methods from a more academic point of view to commercially attractive systems and enable many new applications such as 3DTV, augmented reality, intelligent human-machine interfaces, interactive 3D video environments, and much more.

Although the technical requirements are more and more fulfilled for a commercial success, there is still a need of sophisticated algorithms to handle 3D image information. The amount of data is extremely high, requiring efficient techniques for coding, transmission, and processing. Similarly, the estimation of 3D geometry and other meta data from multiple views, the augmentation of real and synthetic scene content, and the estimation of 3D object or face/body motion have been addressed mainly for restricted scenarios but often lack robustness in a general environment. This leaves many interesting research areas in order to enhance and optimize 3D imaging and to enable fully new applications. Therefore, this special issue targets at bringing together leading experts in the field of 3D image and video processing to discuss and investigate this interesting topic.

Specifically, this special issue will gather high-quality, original contributions on all aspects of the analysis, interaction, streaming, and synthesis of 3D image and video data. Topics of interest include (but are not limited to):

- 3D image and video analysis and synthesis
- Face analysis and animation
- 3D reconstruction
- Object recognition and tracking
- 3D video/communications

- Streaming of 3D data
- Augmented/mixed reality
- Image-based rendering
- Free viewpoint video

Authors should follow the EURASIP Journal on Image and Video Processing manuscript format described at http://www.hindawi.com/journals/ivp/. Prospective authors should submit an electronic copy of their complete manuscripts through the EURASIP Journal on Image and Video Processing Manuscript Tracking System at http://mts.hindawi.com/, according to the following timetable:

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EURASIP JOURNAL ON IMAGE AND VIDEO PROCESSING

Special Issue on

Human-Centric Applications of Distributed Camera Networks

CALL FOR PAPERS

In a camera network, access to multiple sources of visual data often allows for making more comprehensive interpretation of events and activities. Vision-based sensing fits well within the notion of pervasive sensing and computing environments, enabling novel user-centric applications. In such applications, the actions of the users and their interactions with the environment are detected and interpreted by the network of cameras, and proper services or responses are offered based on the context.

Gesture recognition problems have been extensively studied in human computer interactions (HCIs), where often a set of predefined gestures is used for delivering instructions to machines. However, passive gestures predominate in behavior descriptions in many applications. Some traditional application examples include surveillance and security applications, while novel application classes arise in emergency detection in elderly care and assisted living, video conferencing, creating human models for gaming and virtual environments, and biomechanics applications analyzing human movements. Through pervasive visual sensing and collaborative processing, distributed camera networks offer the potential of a generalized HCI environment, in which the network reacts to various intentional gestures of the users stated, for example, via hand movements or gazing at a region of interest, as well as to unintentional posture changes caused by events such as accidental falls in assisted living applications.

Application development based on visual information obtained via multiple cameras requires new methodologies to efficiently fuse the data in the network. In a multi camera network, the option to employ local processing of acquired video at the source camera facilitates operation of scalable vision networks by avoiding transfer of raw images. Embedded processing utilizes the increasingly available computing power at the source to extract features from the images, which are exchanged with other cameras. Additional motivation for distributed processing stems from an effort to preserve privacy of the network users while offering services in applications such as assisted living. In a distributed processing framework, data fusion can occur across the three dimensions of 3D space (multiple views), time, and feature levels.

The goal of this special issue is to provide a coverage of the various approaches to human-centric application development in a multi camera setting. In particular, approaches based on the distributed processing of acquired video sequences, model-based approaches for human behavior monitoring, vision-based information fusion and collaborative decision making, and interfaces between the vision network and high-level reasoning modules that provide interpretative deductions will fit well within the scope of the special issue. The special issue also aims to provide insight into algorithm and system development topics pertaining to real-world application design for smart environments.

Original papers, previously unpublished and not currently under review by another journal, are solicited to cover one or more of the following topics:

- Distributed and collaborative vision algorithms for human-centric applications
- Model-based human gesture recognition in camera networks
- Motion analysis and spatial reasoning for behavior models
- Spatiotemporal data and estimate fusion techniques
- High-level interpretation of human activities
- Activity monitoring in crowds
- Environment discovery
- Detection of abnormal behavior
- Applications in smart homes and other environments

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Special Issue on

Wireless Access in Vehicular Environments

CALL FOR PAPERS

Wireless access in vehicular environments (WAVE) technology comes into sight as a state-of-the-art solution to contemporary vehicular communications, which is anticipated to be widely applied in the near future to radically improve the transportation environment in aspects of safety, intelligent management, and data exchange services. WAVE systems will fundamentally smooth the progress of intelligent transportation systems (ITSs) by providing them with high-performance physical platforms. WAVE systems will build upon the IEEE 802.11p standard, which is still active and expected to be ratified in April, 2009. Meanwhile, the VHF/UHF (700 MHz) band vehicular communication systems are attracting increasingly attention recently.

The fast varying and harsh vehicular environment brings about several fresh research topics on the study of WAVE systems and future vehicular communication systems, which include physical layer challenges associated with mobile channels, capacity evaluation, novel network configuration, effective media access control (MAC) protocols, and robust routing and congestion control schemes.

The objective of this special section is to gather and circulate recent progresses in this fast developing area of WAVE and future vehicular communication systems spanning from theoretical analysis to testbed setup, and from physical/MAC layers' enabling technology to network protocol. These research and implementation activities will be considerably helpful to the design of WAVE and future vehicular communications systems by removing major technical barriers and presenting theoretical guidance. This special issue will cover, but not limited to, the following main topics:

- 700 MHz/5.8 GHz vehicle-to-vehicle (V2V)/vehicle-to-infrastructure (V2I) single-input single-output (SISO)/MIMO channel measurement and modeling, channel spatial and temporal characteristics exploration
- Doppler shift study, evaluation and estimate, time and frequency synchronizations, channel estimate and prediction
- Utilization of MIMO, space-time coding, smart antenna, adaptive modulation and coding
- Performance study and capacity analysis of V2V and V2I communications operating over both 5.8 GHz and 700 Mz

- Software radio, cognitive radio, and dynamic spectrum access technologies applied to WAVE and future vehicular communication systems
- Mesh network and other novel network configurations for vehicular networks
- Efficient MAC protocols development
- Routing algorithms and congestion control schemes for both real-time traffic warning message broadcasting and high-speed data exchange
- Cross-layer design and optimization
- Testbed or prototype activities

Authors should follow the EURASIP Journal on Wireless Communications and Networking manuscript format described at the journal site http://www.hindawi.com/journals/wcn/. Prospective authors should submit an electronic copy of their complete manuscript through the EURASIP Journal on Wireless Communications and Networking's Manuscript Tracking System at http://mts.hindawi .com/, according to the following timetable.

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Active and Passive Electronic Components

http://www.hindawi.com/journals/apec/

Aims and Scope

Active and Passive Electronic Components is devoted to the science and technology of all types of electronic components. The journal publishes experimental and theoretical papers on topics such as transistors, hybrid circuits, integrated circuits, microelectromechanical systems (MEMS), sensors, high-frequency devices and circuits, power devices and circuits, nonvolatile memory technologies such as ferroelectric and phase transition memories, and nano electronics devices and circuits.

Indexing/Abstracting

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Advances in Multimedia

http://www.hindawi.com/journals/am/

Aims and Scope

Advances in Multimedia is aimed at presenting comprehensive coverage of the field of multimedia. The journal covers research and developments in multimedia technology and applications, including compression, storage, networking, communication, retrieval, algorithms, architectures, software design, circuits, multimedia signal processing, and multimodality devices and systems. Types of multimedia signals involved include audio, speech, video, image, graphics, geophysical, musical, sonar, radar, and medical signals.

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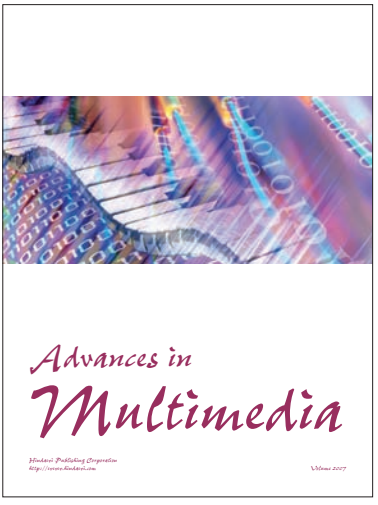

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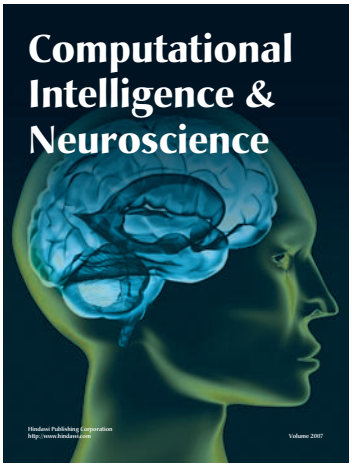
Computational Intelligence & Neuroscience

http://www.hindawi.com/journals/cin/

Aims and Scope

Computational Intelligence and Neuroscience is a forum for the publication of research in the interdisciplinary field of neural computing, neural engineering, and artificial intelligence, where neuroscientists, cognitive scientists, engineers, psychologists, physicists, computer scientists, and artificial intelligence investigators among others can publish their work in one periodical that bridges the gap between neuroscience, artificial intelligence, and engineering. The journal provides research and review papers at an interdisciplinary level, with the field of intelligent systems for computational neuroscience as its focus.



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Advances in Signal Processing

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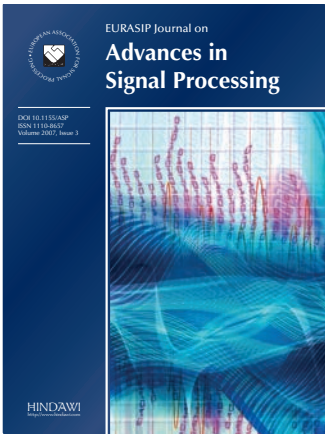
Aims and Scope

The aim of the EURASIP Journal on Advances in Signal Processing is to highlight the theoretical and practical aspects of signal processing in new and emerging technologies. Application areas include (but are not limited to) communications, networking, sensors and actuators, radar and sonar, medical imaging, biomedical applications, remote sensing, consumer electronics, computer vision, pattern recognition, robotics, fiber optic sensing/transducers, industrial automation, transportation, stock market and financial analysis, seismography, and avionics.



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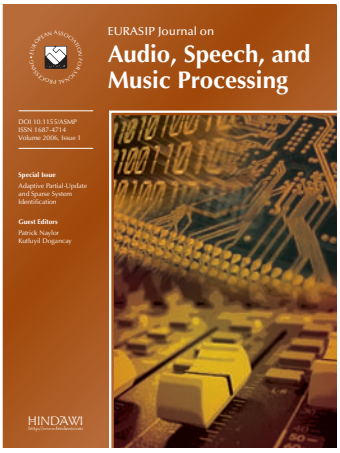
EURASIP Journal on
Audio, Speech, and Music Processing

http://www.hindawi.com/journals/asmp/

Aims and Scope

EURASIP Journal on Audio, Speech, and Music Processing is a peer-reviewed, open access journal, which aims at bringing together researchers, scientists, and engineers working on the theory and applications of the processing of various audio signals, with a specific focus on speech and music.



The journal is dedicated to original research work, but also allows tutorial and review articles. Articles deal with both theoretical and practical aspects of audio, speech, and music processing.

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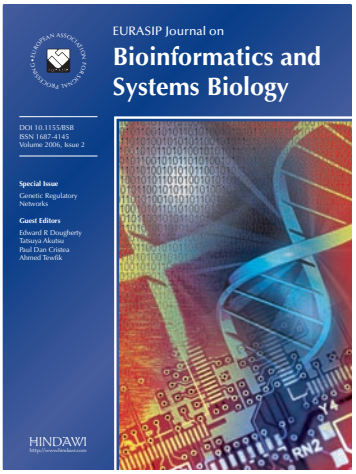
Aims and Scope

The overall aim of "EURASIP Journal on Bioinformatics and Systems Biology" is to publish research results related to signal processing and bioinformatics theories and techniques relevant to a wide area of applications into the core new disciplines of genomics, proteomics, and systems biology.



The journal is intended to offer a common platform for scientists from several areas including signal processing, bioinformatics, statistics, biology and medicine, who are interested in the development of algorithmic, mathematical, statistical, modeling, simulation, data mining, and computational techniques, as demanded by various applications in genomics, proteomics, system biology, and more general in health and medicine.

Manuscript Submission

Manuscripts are invited and should be submitted by one of the authors of the manuscript through the online Manuscript Tracking System which is located at http://mts.hindawi.com.

Open Access

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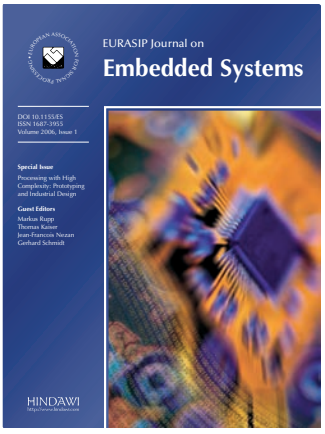
EURASIP Journal on
Embedded Systems

http://www.hindawi.com/journals/es/

Aims and Scope

EURASIP Journal on Embedded Systems is a peer-reviewed open access journal that serves the large community of researchers and professional engineers who deal with the theory and practice of embedded systems, including complex homogeneous and heterogeneous embedded systems, specification languages and tools for embedded systems, modeling and verification techniques, hardware/software tradeoffs and codesign, new design flows, design methodologies and synthesis methods, platform-based design, component-based design, adaptation of signal processing algorithms to limited implementation resources, rapid prototyping, computing structures and architectures for complex embedded systems, real-time operating systems, methods and techniques for the design of low-power systems, interfacing with the real world, novel application case studies and experiences.



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EURASIP Journal on
Image and Video Processing

http://www.hindawi.com/journals/ivp/

Aims and Scope

EURASIP Journal on Image and Video Processing is a peer-reviewed, open access journal, intended for researchers from both academia and industry, who are active in the multidisciplinary field of image and video processing. The scope of the journal covers all theoretical and practical aspects of the domain, from basic research to the development of applications.

Contributed articles on image and video processing may be focused on specific techniques, on diverse functionalities and services, within the context of various activity sectors (e.g., multimedia, medical, aerial, robotics, security, communications, arts), or on employing diverse data formats.

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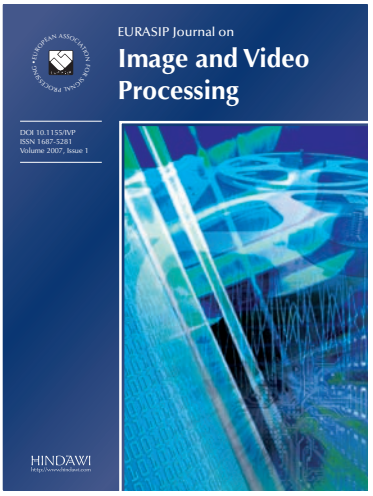

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Aims and Scope

The overall goal of the EURASIP Journal on Information Security is to bring together researchers and practitioners dealing with the general field of information security with a particular emphasis on the use of signal processing tools to enable the security of digital contents. As such, it addresses any work whereby security primitives and multimedia signal processing are used together to ensure the secure access to the data. Enabling technologies include watermarking, data hiding, steganography and steganalysis, joint signal processing and encryption, perceptual hashing, identification, biometrics, fingerprinting, and digital forensics.

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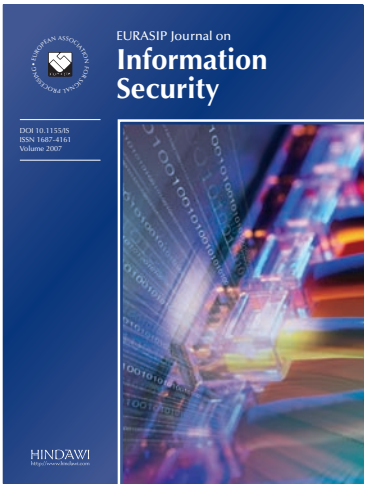

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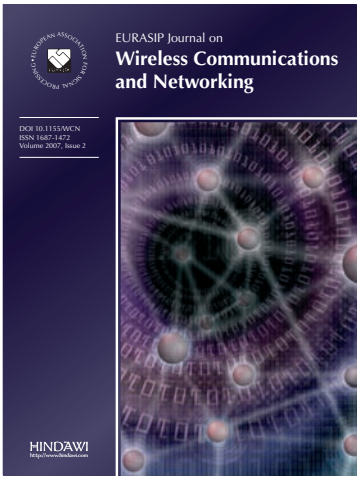
EURASIP Journal on
Wireless Communications and Networking

http://www.hindawi.com/journals/wcn/

Aims and Scope

The overall aim of the EURASIP Journal on Wireless Communications and Networking is to bring together science and applications of wireless communications and networking technologies, with emphasis on signal processing techniques and tools. Subject areas include antenna systems and design, channel modeling and propagation, coding for wireless systems, multiuser and multiple access schemes, optical wireless communications, resource allocation over wireless networks, security, authentication, and cryptography for wireless networks, signal processing techniques and tools, software and cognitive radio, wireless traffic and routing, ultra wideband systems, vehicular networks, wireless multimedia communication, wireless sensor networks, and wireless system architectures and applications.



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International Journal of Antennas and Propagation

http://www.hindawi.com/journals/ijap/

Aims and Scope

The overall aim of the International Journal of Antennas and Propagation is to explore emerging concepts and applications in antennas and propagation. The journal focuses on the physical link from antenna to antenna including antenna hardware and associated electronics, the nature and impact of propagation channels and measurement, prediction, and simulation methods for evaluating or designing antennas or the channel. The journal is directed at both practicing engineers and academic researchers and will highlight new ideas and challenges in antennas and propagation for both application development and basic research.

Manuscript Submission

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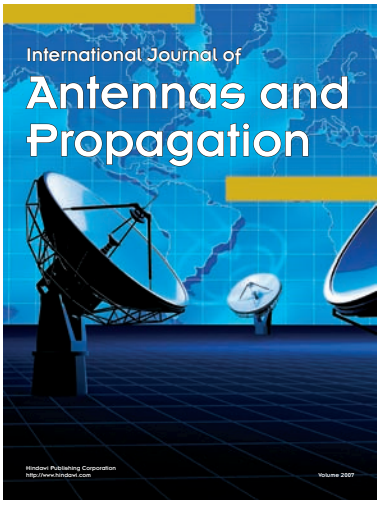

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International Journal of
Biomedical Imaging

http://www.hindawi.com/journals/ijbi/

Aims and Scope

The overall goal of the International Journal of Biomedical Imaging is to promote the research and development of biomedical imaging by publishing high-quality research articles and reviews in this rapidly growing, interdisciplinary field. Generally speaking, the scope of the journal covers data acquisition, image reconstruction, and image analysis, involving theories, methods, systems, and applications.

Indexing/Abstracting

In order to provide the maximum exposure for all published articles, International Journal of Biomedical Imaging is covered by many leading abstracting and indexing databases.

Manuscript Submission

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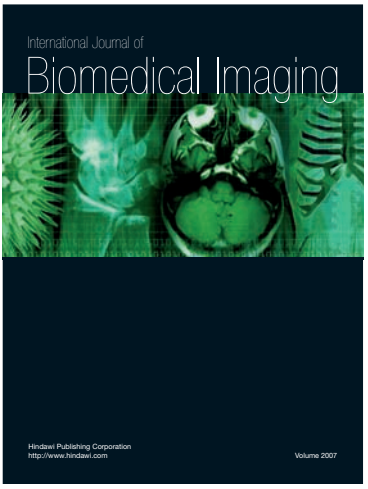

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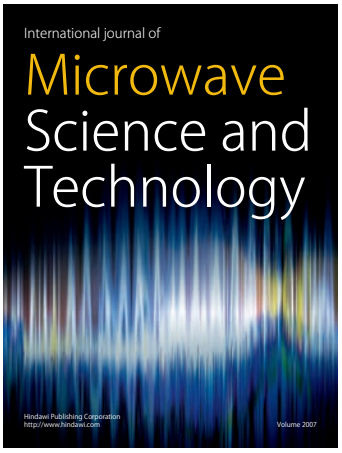
International Journal of
Microwave Science and Technology

http://www.hindawi.com/journals/ijmst/

Aims and Scope

The overall aim of the International Journal of Microwave Science and Technology is to bring together both the research and development aspects of the radio frequency (RF) technology covering the whole range of subgigahertz to sub-millimeter-wave frequency spectrum. Areas of the interest include, but are not limited to, high-frequency semiconductor devices, RF, microwave, and millimeter-wave circuit design, low-noise low-power front-end electronics, power generation, combining, and amplification techniques, frequency conversion techniques, antennas, microwave photonics techniques, and system level RF chip design and technology.



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International Journal of Navigation and Observation

http://www.hindawi.com/journals/ijno/

Aims and Scope

The overall aim of the International Journal of Navigation and Observation is to explore emerging concepts and applications in navigation, positioning, Earth observation, and related fields. The journal is directed at both practicing engineers as well as academic researchers. It will highlight new ideas and challenges in both application development and basic research, thus seeking to bridge the gap between innovation and practical implementation. Authors of manuscripts with novel contributions to the theory and/or the practice of navigation, positioning, and Earth observation are encouraged to submit their contributions for consideration.

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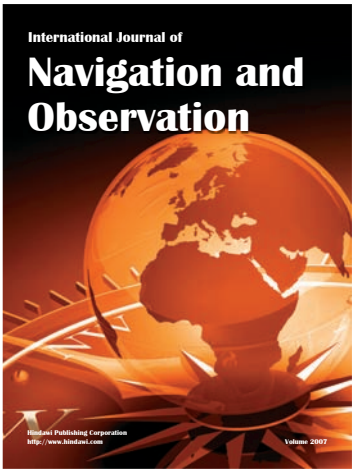

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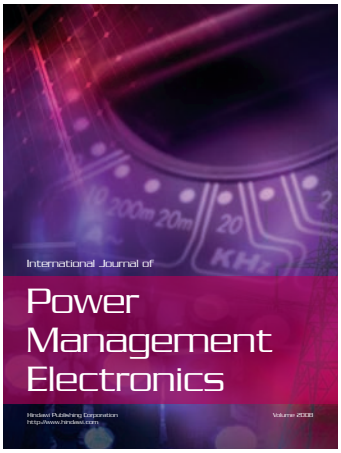
The International Journal of Power Management Electronics

http://www.hindawi.com/journals/ijpme/

Aims and Scope

The International Journal of Power Management Electronics aims to deal with technology and science that define and demonstrate next-generation power electronics, and advance the state of the art. The scope and coverage of the journal include but are not limited to:



- Novel devices (e.g., wide-bandgap, photonic devices) and applied technology for power electronics
- Power electronics and power-management controls for standalone and grid-connected alternative and renewable energy systems
- Fuel-cell /hybrid-electric vehicle power converter designs for vehicular auxiliary and main power units
- System-on-chip (SoC)/ system-in-package (SiP)/ and system-on-module (SoM) based power-management electronics
- New loss-mitigating topologies and switching techniques
- Novel solutions for high-frequency magnetics
- Digital and smart power-management technology
- New concepts and technology applications of power electronics in power systems, telecommunications, motor drives, low voltage applications (e.g., portable electronics, VRM)

Manuscript Submission

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The overall aim of the International Journal of Telemedicine and Applications is to bring together science and applications of medical practice and medical care at a distance as well as their supporting technologies such as computing, communications, and networking technologies with emphasis on telemedicine techniques and telemedicine applications. Telemedicine is an information technology that enables doctors to perform medical consultations, diagnoses, and treatments, as well as medical education, away from patients. International Journal of Telemedicine and Applications will highlight the continued growth and new challenges in telemedicine, applications, and their supporting technologies, for both application development and basic research.

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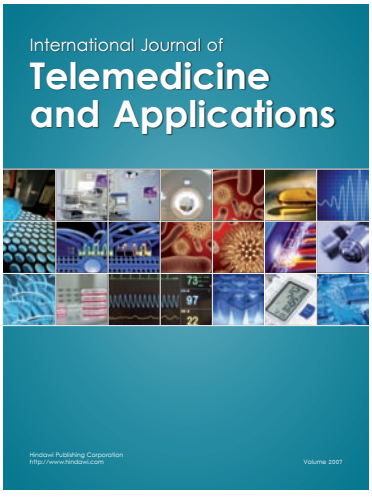

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International Journal of
Vehicular Technology

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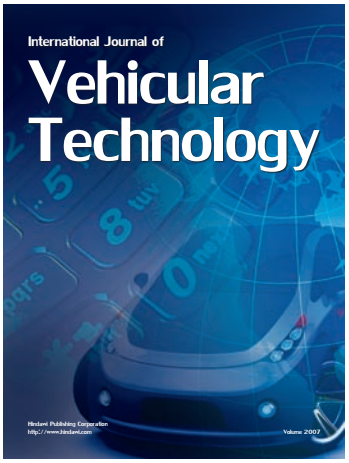

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Journal of Artificial Evolution and Applications aims at being a reference for researchers and practitioners who study the theory and application of methodologies pertaining to evolutionary computation and related fields. Original contributions are sought describing recent achievements in evolutionary computation research, with particular, but not exclusive, regard to genetic algorithms, genetic programming, evolutionary programming, evolution strategies, swarm intelligence, learning classifier systems, artificial immune systems, coevolution, interactive evolution, evolvable hardware, and hybrid approaches relying on the joint use of evolutionary computation methods and other computational intelligence and optimization methods.

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Control Science and Engineering

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Journal of Control Science and Engineering seeks to provide an outlet for technical papers on advances in the field of control systems and control technology. It aims at speedy, online publication of original, peer-reviewed papers in all established and newly emerging areas of control theory and applications, encompassing modeling, identification, estimation, analysis, design, implementation of control systems, and in broader and related areas of signal processing and systems and information sciences.

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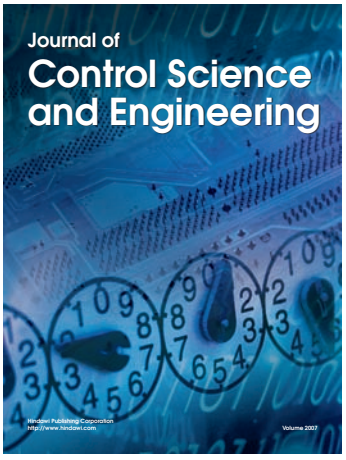

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Research Letters in Signal Processing is devoted to very fast publication of short, high-quality manuscripts in the broad field of signal processing. Average time from submission to publication shall be around 60 days.

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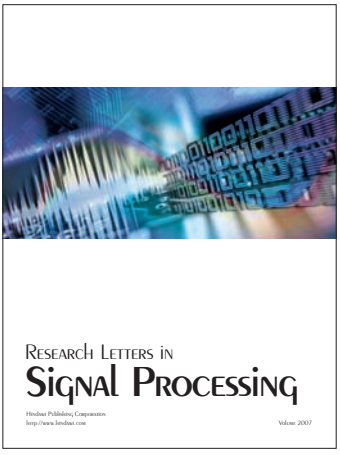

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The journal provides a dynamic, high-quality, international forum for original papers and tutorials by academic, industrial, and other scholarly contributors in VLSI Design.

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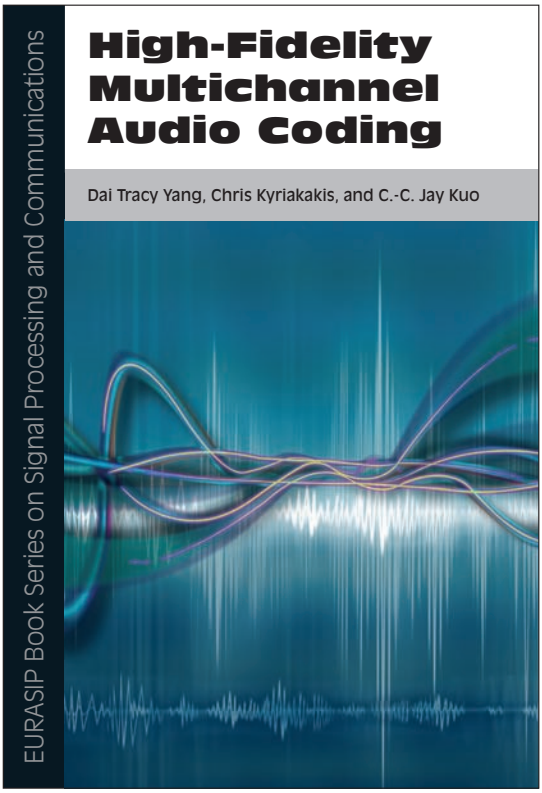

High-Fidelity Multichannel Audio Coding

Dai Tracy Yang, Chris Kyriakakis, and C.-C. Jay Kuo

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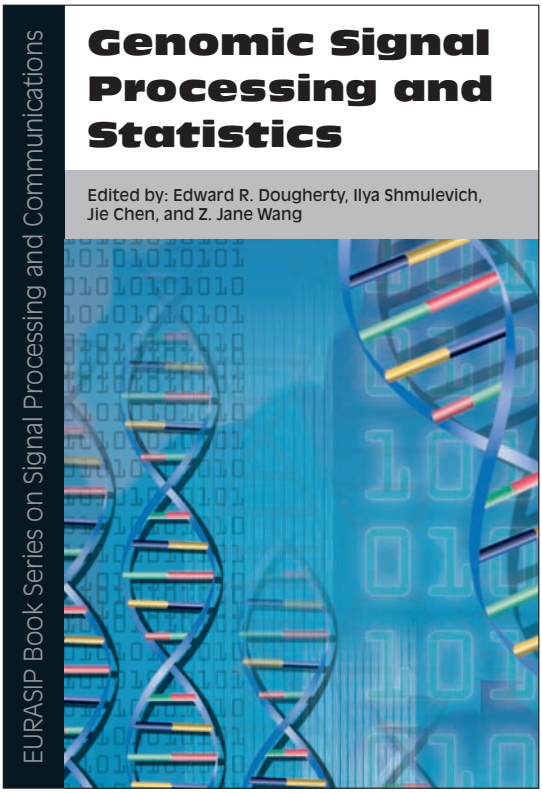

Genomic Signal Processing and Statistics

Edited by: Edward R. Dougherty, Ilya Shmulevich, Jie Chen, and Z. Jane Wang

This book aims to address current genomic challenges by exploiting potential synergies between genomics, signal processing, and statistics, with special emphasis on signal processing and statistical tools for structural and functional understanding of genomic data.

Processing the vast genomic data, especially the recent large-scale microarray gene expression data, to reveal the complex biological functionality, represents enormous challenges to signal processing and statistics. This perspective naturally leads to a new field, genomic signal processing (GSP), which studies the processing of genomic signals by integrating the theory of signal processing and statistics.

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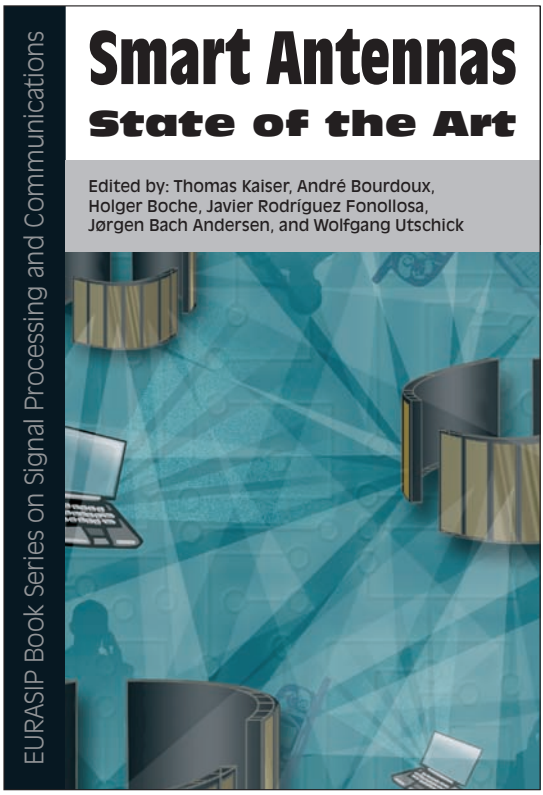

Smart Antennas State of the Art

Edited by: Thomas Kaiser, André Bourdoux, Holger Boche, Javier Rodríguez Fonollosa, Jørgen Bach Andersen, and Wolfgang Utschick

Smart Antennas—State of the Art brings together the broad expertise of 41 European experts in smart antennas. They provide a comprehensive review and an extensive analysis of the recent progress and new results generated during the last years in almost all fields of smart antennas and MIMO (multiple-input multiple-output) transmission.

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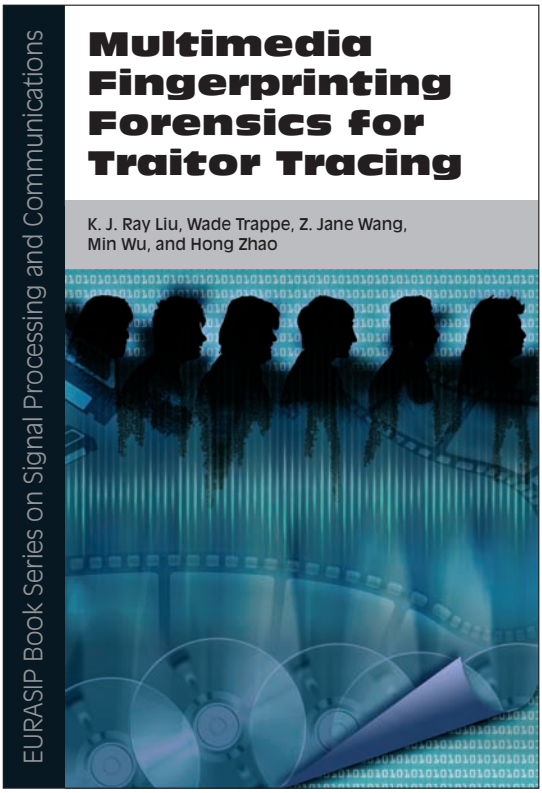

Multimedia Fingerprinting Forensics for Traitor Tracing

K. J. Ray Liu, Wade Trappe, Z. Jane Wang, Min Wu, and Hong Zhao

Multimedia Fingerprinting Forensics for Traitor Tracing covers the essential aspects of research in this emerging technology, and explains the latest development in this field. It describes the framework of multimedia fingerprinting, discusses the challenges that may be faced when enforcing usage policies, and investigates the design of fingerprints that cope with new families of multiuser attacks that may be mounted against media fingerprints. The discussion provided in the book highlights challenging problems as well as future trends in this research field, providing readers with a broader view of the evolution of the young field of multimedia forensics.

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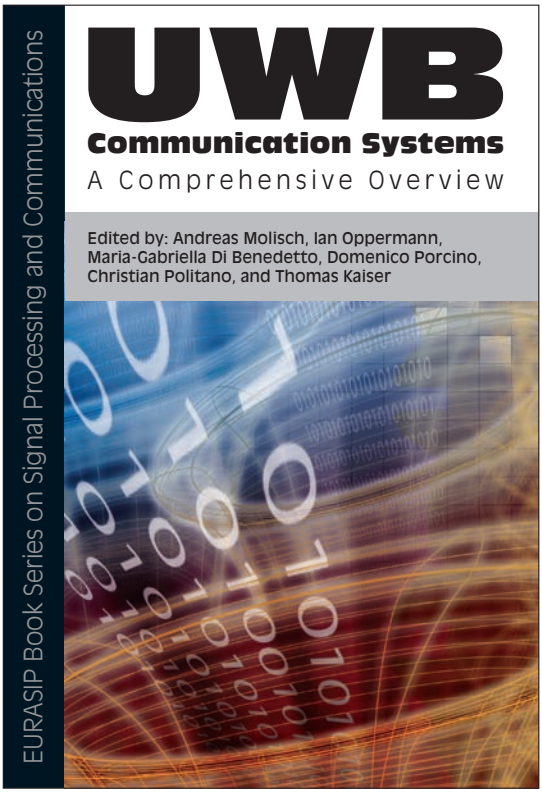

UWB Communication Systems—A Comprehensive Overview

Edited by: Maria-Gabriella Di Benedetto, Thomas Kaiser, Andreas F.Molisch, Ian Oppermann, Christian Politano, and Domenico Porcino

Due to the rapid progress of multidisciplinary UWB research, an overview of the state of the art of UWB can only be achieved by combining the areas of expertise of several scientists in the field. More than 30 leading UWB researchers and practitioners have contributed to this book. Topics include UWB signal processing, UWB channel measurement and modeling, higher-layer protocol issues, spatial aspects of UWB signaling, UWB regulation and standardization, implementation issues, and UWB applications as well as positioning.

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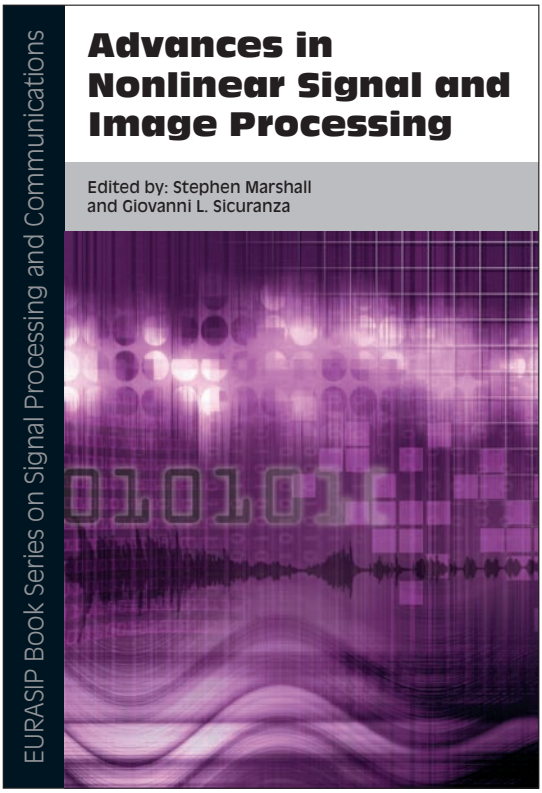

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Edited by: Stephen Marshall and Giovanni L. Sicuranza

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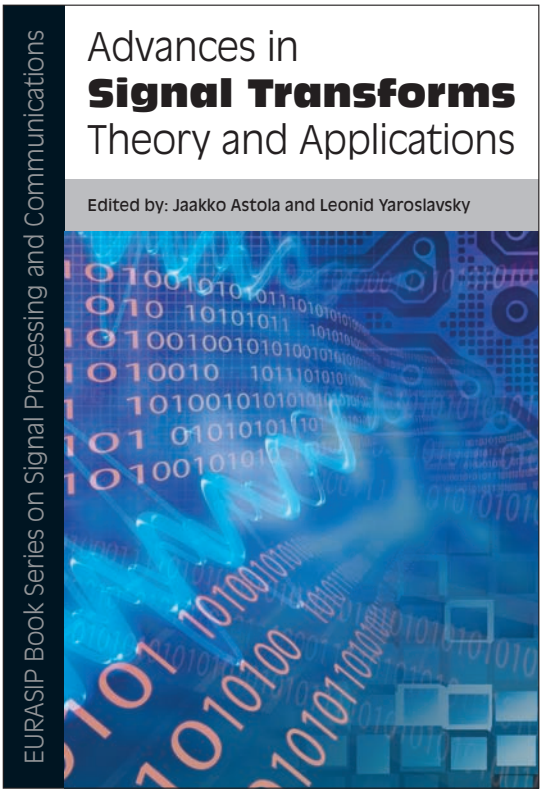

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Edited by: J. Astola and L. Yaroslavsky

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EURASIP Book Series on Signal Processing and Communications

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Edited by: Stefano Cagnoni, Evelyne Lutton, and Gustavo Olague

ISBN: 977-5945-55-0

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