# Newsletter, Volume 22, Number 2-3, August 2011

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President’s Message

This issue of the EURASIP Newsletter is distributed to all current members as well as to all EUSIPCO-2011 participants. As EUSIPCO-2011 registration includes EURASIP membership, I would like to extend a warm welcome especially to our new members, and I truly hope they will appreciate and support the Association’s activities and initiatives.

In this Newsletter issue, we aim to present a number of EURASIP activities, services and operational modes. EURASIP is well known for its annual EUSIPCO and for its 10 journals, but there is more to be discovered. We hope that the information provided in this issue will be useful, especially so for our new members. We also hope it will encourage many of our members to become actively involved in our operation, by contributing to our journals as an author, reviewer or editor, by organizing workshops and seminar days, by nominating candidates for our awards, by being a candidate in our Board of Directors elections, etc.

In particular, we also wish to invite everyone to visit and contribute to our Open Library. The Open Library currently contains all previous EUSIPCO proceedings (starting with the EUSIPCO-1980 proceedings!) as well as many other workshop and conference proceedings, all previous EURASIP newsletters, some 400 PhD theses, and a selection of signal processing books. All this material is freely downloadable not only to EURASIP members, but to every interested reader. We believe this is a very valuable source of information, and hope to be able to expand it further in the future.

Our nineteenth EUSIPCO is organized under the General Chairmanship of Prof. Ana I. P´erez-Neira and the Honorary Chairmanship of Prof. Miguel A. Lagunas. Twenty-one years and fourteen EUSIPCO’s ago, EURASIP had its first EUSIPCO in Barcelona (check out the proceedings in our Open Library). For those who were there in 1990, I am sure it will be a pleasure to be back. I wish to thank Ana and her team for their impeccable organization. The conference has an extremely attractive technical program, featuring a strong selection of (free!) tutorials, special sessions, invited speakers and EURASIP Fellow Inaugural Lectures, as well as an attractive social program. The Conference Dinner will also feature our annual Awards Ceremony. The list of 2011 Awards is provided in a separate section in this Newsletter. I already wish to congratulate all award winners for their most important achievements!

I look forward to welcoming you all at EUSIPCO-2011 in Barcelona!

Marc Moonen
President

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1EURASIP membership included in EUSIPCO-2011 registration expires on December 31st, 2012.
2For our current members, EUSIPCO-2011 registration includes automatic membership renewal for 2012. Current members who are not attending EUSIPCO-2011 will receive an invitation to renew their membership for 2012.
3 www.eurasip.org under ‘EURASIP Open Library’.
EURASIP was founded in 1978 under the first Presidency of Prof A.G. Constantinides, and organized its first EUSIPCO in 1980 in Lausanne, Switzerland under the Chairmanship of Prof. M. Kunt and Prof. F. de Coulon. EURASIP was officially registered as a non-profit organization in 1996. It is now lead by an Advisory Committee and managed by a Board of Directors (BoD, formerly know as Administrative Committee or AdCom). The EURASIP Official Statutes are available on the EURASIP website.

The Advisory Committee (a.k.a. the committee of Working Members) consists of former EURASIP presidents and AdCom/BoD members. The current list of Working Members is as follows: Prof. Maurice Bellanger, Prof. Paulo Lobato Correia, Prof. Tariq S. Durrani, Prof. Moncef Gabbouj, Prof. Fulvio Gini, Prof. Peter M. Grant, Prof. Ulrich Heute, Prof. Ferran Marqués, Prof. Wolfgang F.G. Mecklenbraeuker, Prof. Marc Moonen, Prof. Béatrice Pesquet-Popescu, Prof. Markus Rupp, Prof. Bulent Sankur, Prof. Giovanni Sicuranza, Prof. Sergios Theodoridis, Prof. Robert Vich.

EURASIP is managed by the Board of Directors (BoD), composed of maximum seven (voting) members (a.k.a. Directors). All BoD members are elected by the EURASIP members, and serve four year terms. BoD elections are held every two years. The Advisory Committee confirms the BoD election results and appointments.

The BoD appoints a President amongst its members, for an office period of two years. Before the end of the President’s term, the BoD appoints a President-Elect, who will serve as President in the next period of two years. If the mandate as Director of the President-Elect is expiring, the BoD nominates the President-Elect for a two year mandate renewal to the Advisory Committee. The immediate past President serves as Past-President. If the mandate as Director of the Past-President has expired, the Past-President is invited to the BoD meetings as non-voting observer.

call for Candidates for 2012 BoD Elections

During the EURASIP General Assembly, at EUSIPCO-2012 in Bucharest, August 27–31, elections will be conducted for vacant positions on the BoD (terms starting January 2013). All EURASIP members who have an interest in becoming a candidate are invited to contact one of the current BoD members.

The list of candidates will be published in March 2012. An electronic procedure will be used to collect votes prior to the General Assembly. Members who have not voted electronically will receive a paper ballot at the General Assembly. The results of the 2012 AdCom Elections will be announced at the General Assembly.

Marc Moonen
President
EURASIP Member Benefits

By becoming a EURASIP member, you…

- Enjoy a 10% discount on open access publication charges in EURASIP/Springer journals. This EURASIP member discount is already larger than the membership fee and so offers a strong incentive to all future authors to continue their membership or become a member.
- Enjoy discounted member prices for EURASIP/Elsevier journals and selected books by Elsevier and Springer.
- Enjoy reduced fees for EURASIP sponsored conferences and seminars.
- Receive voting rights in the biennial EURASIP BoD Elections, and have a say in the Association.
- Receive a copy of the EURASIP Newsletter.
- Qualify for EURASIP awards.

The membership status (Member/Fellow) is displayed when a member is an author or co-author on a paper published in our journals.

To become a EURASIP member, you can register at our web page (www.eurasip.org). Alternatively you automatically become a member by attending a EUSIPCO.
EURASIP Awards Presented at EUSIPCO 2011

The European Association for Signal Processing (EURASIP) congratulates the following colleagues who will receive the Society’s prestigious awards. The awards will be presented at EUSIPCO 2011 in Barcelona, Spain.

The Technical Achievement Award honours a person who, over a period of years, has made outstanding technical contributions to the theory or practice in technical areas within the scope of the Society, as demonstrated by publications, patents, or recognized impact on this field. This year’s recipient is Yuri I. Abramovich, “for fundamental contributions to adaptive array processing for radar.”

The Group Technical Achievement Award is given to the head of a group in academia or industry that has achieved significant contributions in Signal Processing and related areas over a number of years. This year’s recipient is Levent Onural, “for contributions to signal processing issues related to diffraction, holography and holographic video.”

The Athanasios Papoulis Award is given to honour scientists whose work had a major impact in various aspects on Signal Processing education. The award is offered only on demand, every time there is an exceptional candidate and not on a regular period of time. This year’s recipient is Simon Haykin, “for contributions to education in signal processing, telecommunications and pattern recognition.”

In addition to the Society’s awards, at EUSIPCO 2011 also five Best Paper Awards will be awarded, honouring the author(s) of a paper of exceptional merit dealing with a subject related to the Society’s technical scope, and appearing in one of the EURASIP journals in the 4-years window 2006-2009. The prize is 1,000 Euros per paper and a certificate. For each journal, a collection of papers were pre-selected by the journal Editor-in-Chief, based on reviewers’ scores or direct nomination by the members of the Editorial Board who managed the review process of the submitted papers. The nominated papers were then evaluated by a committee of four experts who selected the paper to be awarded based on general quality, originality, subject matter, and timeliness. This year, the awardees are the following:


For the first three journals the award is assigned yearly, for the last two every two years, as detailed in the EURASIP webpage (http://www.eurasip.org/). The best paper awards are sponsored by the journals publishers, Hindawi (recently replaced by Springer) and Elsevier.

Fulvio Gini
Director, Awards Chairman
EURASIP Fellows 2011

In 2007, the EURASIP Board of Directors initiated a “Fellowship Programme”, to recognize outstanding achievements of its members and volunteers. Each year, a select group of signal processing researchers are elevated to “EURASIP Fellow”, the Association’s most prestigious honor.

It is my pleasure to announce the result of the 2011 “EURASIP Fellows” selection process. In recognition of their many important contributions to the field of signal processing, the EURASIP Board of Directors elevates the following individuals to “EURASIP Fellow 2011”:

**Prof. Helmut Bölcskei**, ETH Zürich, Switzerland
“For contributions to MIMO wireless communications”

**Prof. Jean-Francois Cardoso**, E.N.S.T./ Télécom Paris, France
“For contributions to blind source separation, higher-order statistics, array processing, and performance analysis”

**Prof. Lajos Hanzo**, University of Southampton, United Kingdom
“For advances in signal processing for adaptive modulation, turbo decoding and synchronisation for wireless cellular systems”

**Prof. Sergios Theodoridis**, University of Athens, Greece
“For advances in adaptive algorithms for signal processing and machine learning”

I wish to congratulate our new EURASIP Fellows on this most important achievement. The Fellowship Awards will be presented at EUSIPCO-2011, to be held in Barcelona, August 29–September 2, 2011. In addition, to highlight the Fellowship Programme, Prof. Helmut Bölcskei and Prof. Sergios Theodoridis will present a “Fellow Inaugural Lecture”, also at EUSIPCO-2011.

Marc Moonen
President EURASIP
EURASIP Awards Selection Procedures

Introduction

The goal of the EURASIP Awards program is to pay tribute to those people who have made outstanding technical contributions and achievements, or those institutions that enabled the development of remarkable research and dissemination, leading to the advancement of the signal processing domain. EURASIP awards program promotes excellence in the different areas related to the signal processing community: education, research, industry and services.

Currently EURASIP Awards fall into the following categories:

- Best Paper Awards;
- Society Awards:
  - Technical Achievement Award;
  - Meritorious Service Award;
  - Group Technical Achievement Award;
  - Athanasios Papoulis Award.

The nominations for awards can be initiated by EURASIP members and by the public. These nominations are collected by the Awards Chairman and then submitted to the EURASIP BoD for the selection of the Award recipients. The nominations to the Athanasios Papoulis Award are carefully reviewed by a panel of experts and their recommendations are submitted to the EURASIP Awards Chairman prior to their final approval by the EURASIP BoD.

The EURASIP awards ceremony takes place during the annual EUSIPCO conference. The list of award-winners is published in the EURASIP Newsletter that is under distribution at that moment and in the EURASIP web site.

This document describes the procedures for determining the recipients of the EURASIP awards.

Best Paper Awards

Best Paper Awards are given annually to the most relevant contributions published in the Journals sponsored by EURASIP, according to the average number of papers published per year (this number should be calculated by averaging over a window of 4 years):

# 1–50: no award assigned;
# 51–100: 1 award every two years;
# > 100: 1 award per year.

In 2011, the journals that meet this requirement are:
• Signal Processing (1 award annually);
• Signal Processing: Image Communication (1 award every 2 years);
• Speech Communication (1 award every 2 years);
• EURASIP Journal on Advances in Signal Processing (1 award annually);
• EURASIP Journal on Wireless Communications and Networking (1 award annually);
• EURASIP Journal on Image and Video Processing (1 award every 2 years).

These awards are given to each of the authors of the selected papers by the EURASIP BoD at the annual EUSIPCO conference.

These awards consist in a certificate, one for each author, prepared by care of the Awards Chairman according to the current standard layout, and a monetary compensation of 1000 per paper provided by the EURASIP Treasurer.

The papers considered for the awards are pre-selected by the Editors-in-Chief of the EURASIP journals according to the following criteria: i) the scores of the reviewers, ii) the number of downloads, iii) the number of citations; iv) the evaluations of members of the editorial boards, including the guest editors of the special issues.

The papers to be considered for the awards assigned in the year x should have been published within a 4-years time window that goes from x-5 to x-2, extremes included. Then a comparative evaluation is performed by specific subcommittees, one for each journal, according to the following criteria:

• Relevance of the topic - The degree of contribution of the paper to the advancement of the state of the art is evaluated. Under this topic the evaluation committee will assess the value of the paper in terms of the significance of the problem addressed in the paper for the signal processing community.
• Quality of the technical content - The degree of excellence of the work described is evaluated. Under this topic the evaluation committee will assess the techniques and skills used to achieve the reported results.
• Style of the presentation - The degree to which the paper message is clearly and effectively expressed is evaluated. Under this topic the evaluation committee will assess the quality of the writing of the paper, namely completeness, conciseness, clarity, efficacy or balancing between the various sections of the paper.
• Originality - The degree to which the paper is original is evaluated. Under this topic the evaluation committee will assess the novelty of the technical material presented, namely in terms of addressing new problems, presenting new results, or using new methodologies.

The nominations for best paper awards should be submitted by the Editor-in-Chief to the EURASIP Awards Chairman by July 31st of the preceding year, i.e. the year x-1. The decision about the award should be achieved by the subcommittee by January 1st of the year to which the award relates, i.e. the year x, and passed to the EURASIP BoD for the final approval.

The list of award-winners is published in the EURASIP Newsletter that will be available at the EUSIPCO of year x (where the awards ceremony will take place).

The EURASIP Awards Chairman contacts the Editors-in-Chief of the various journals at the beginning of the year x-1 asking for the list of selected papers. The Award subcommittees are selected by the EURASIP Awards Chairman by proposal of the journal Editors-in-Chief and of the BoD members, being composed by at least four
members. These members are typically selected among Special Issues guest editors, members of the journal Editorial Board, and reviewers of the journal. The subcommittees membership is renewed every three years.

As a compensation for the work performed in the quality of a journal’s awards subcommittee member, these members are offered an annual subscription of one of the EURASIP sponsored journals.

**Technical Achievement Award**

The Technical Achievement Award is assigned on demand, annually, to individuals who have made distinguished contributions in the field of signal, speech, and image processing.

A Call for Nominations is included in the EURASIP Newsletter to be distributed at EUSIPCO of the preceding year and posted at the EURASIP web site. The nominations are submitted to the EURASIP Awards Chairman by members of the EURASIP BoD and/or Advisory Committee, or by the general public by the end of December of the preceding year. The final decision about the award is taken by the BoD in January/February of the year of the award attribution and it is published in the EURASIP web site and in the EURASIP Newsletter that is distributed at the next EUSIPCO, where the awards ceremony takes place.

The candidates should:

- be actively involved with the international signal processing community, having a recognised leadership in their field of action and a significant impact on the European research activities;
- have a significant list of achievements, reflected by their curriculum vitae, namely in terms of relevant publications, original contributions, or inventive value (patents);
- publish regularly in EURASIP journals;
- participate regularly in conferences sponsored by EURASIP, and in particular in EUSIPCO conferences.

The nominations should be well supported, namely in terms of:

- providing complete name of the candidate, education degrees, business titles, contact information, professional curriculum, EURASIP involvement;
- documenting the major technical achievements of the candidate, namely by referencing books, papers, reports, standards contributions, patents, development of products, systems, facilities or services, technical presentations and courses developed;
- justification why the candidate is worthy to receive this award, namely in terms of innovation, originality, creativity and relevance of contributions;
- including support endorsement letters.

Nomination and endorsements should be as specific, accurate and complete as possible.

The technical achievements award consists of a gold medal, crafted according to the current standard layout, and a certificate presented to the award-winner.

**Meritorious Service Award**

The EURASIP Meritorious Service Award is given on demand, annually, to individuals who have made distinguished services to the Society.
A Call for Nominations is included in the EURASIP Newsletter to be distributed at EUSIPCO of the preceding year and at the EURASIP web site. The nominations are submitted to the EURASIP Awards Chairman by members of the EURASIP BoD and/or Advisory Committee, or by the general public by the end of December of the preceding year. The final decision about the award is taken by the BoD in January/February of the year of the award attribution and it is published in the EURASIP web site and in the EURASIP Newsletter that is distributed at the next EUSIPCO, where the awards ceremony takes place.

The candidates should:

- have provided significant contributions to the development of EURASIP;
- have furnished distinguished service to the advancement and pursuit of the technical objectives of EURASIP;
- cooperate actively in actions supported or sponsored by EURASIP.

This award, in the form of a gold medal, crafted according to the current standard layout, is decided by the EURASIP BoD at the annual EUSIPCO conference.

The nominations should be well supported, namely in terms of:

- providing complete name of the candidate, education degrees, business titles, contact information, professional curriculum, EURASIP involvement;
- justification why the candidate is worthy to receive this award, namely in terms of the major contributions to the development of EURASIP.

Nomination should be as specific, accurate and complete as possible.

**Group Technical Achievement Award**

The Group Technical Achievement Award is given on demand, annually, to leaders of research groups that have made relevant contributions in the field of signal, speech, or image processing.

A Call for Nominations is included in the EURASIP Newsletter to be distributed at EUSIPCO of the preceding year and at the EURASIP web site. The nominations are submitted to the EURASIP Awards Chairman by members of the EURASIP BoD and/or Advisory Committee, or by the general public by the end of December of the preceding year. The final decision about the award is taken by the BoD in January/February of the year of the award attribution and it is published in the EURASIP web site and in the EURASIP Newsletter that is distributed at the next EUSIPCO, where the awards ceremony takes place.

The nominations can also be open to the general public.

The award-candidate and his/her research group should:

- be actively involved with the international signal processing community, having a recognised leadership in their field of action and a significant impact on the European research activities;
- have a significant list of achievements, namely in terms of relevant publications, original contributions, or inventive value (patents);
- publish regularly in EURASIP journals;
- participate regularly in conferences sponsored by EURASIP, and in particular in EUSIPCO conferences.
These awards, in the form of a plaque, crafted according to the current standard layout, presented to the leader of the selected research group, are given by the EURASIP BoD at the annual EUSIPCO conference.

The nominations should be well supported, namely in terms of:

- providing complete name of the candidate who represents the research group, his/her education degrees, business titles, contact information, professional curriculum, EURASIP involvement;
- documenting the major technical achievements of the research group, namely by referencing books, papers, reports, standards contributions, patents, development of products, systems, facilities or services, technical presentations and courses developed,
- justification why the candidate research group is worthy to receive this award, namely in terms of innovation, originality, creativity and relevance of contributions;
- including support endorsement letters.

Nomination and endorsements should be as specific, accurate and complete as much as possible.

**Athanasios Papoulis Award**

The Athanasios Papoulis Award is given to honor scientists whose work had a major impact in various aspects on signal processing education. The award is offered only on demand, every time there is an exceptional candidate and not on a regular period of time.

A Call for Nominations is included in the EURASIP Newsletter to be distributed at EUSIPCO of the preceding year and at the EURASIP web site. The nominations are submitted to the EURASIP Awards Chairman by members of the EURASIP BoD and/or Advisory Committee, or by the general public by the end of December of the preceding year. The nominations to the Athanasios Papoulis Award are reviewed by a panel of experts and their recommendations are submitted to the EURASIP Awards chairman prior to their final approval by the EURASIP BoD. The final decision on this award is taken by the BoD in February of the year of the award attribution and is published in the EURASIP web site and in the EURASIP Newsletter that is distributed at the next EUSIPCO, where the awards ceremony will take place.

**Awards Voting Procedure**

The Technical Achievement Award, the EURASIP Meritorious Service Award, and the Group Technical Achievement Award, are decided by the BoD according to the following guidelines:

1. All the votes are expressed by e-mail on request of the Awards Chairman.
2. The voting members are the elected members to the EURASIP BoD and the Past President.
3. In case of more than three candidates to an award the voting procedure is split in two parts.
   - In the first round each voting member casts two votes.
• The two candidates who receive the highest number of votes pass to the second round. In the second round each voting member votes only for one candidate. The award is given to the candidate who receives the highest number of votes.
• In case of two or more candidates who receive the same number of votes in any of the two rounds, it will be care of the BoD to decide how to proceed.
4. In case of a number of candidates up to three only the second part of the vote will take place.

Fulvio Gini  
Director, Awards Chairman
EURASIP Awards Call for Nominations

The Deadline for Nominations for EURASIP Society Awards is December 31st, 2011.

Each year, EURASIP, the European Association for Signal Processing recognizes technical and professional achievements in signal and image processing technology through its celebrated EURASIP Awards Program. As part of the organization’s overall mission to advance signal and image processing as a science and a profession, EURASIP’s Board of Directors (BoG) annually evaluates the contributions of candidates for various awards that span a spectrum of professional and technological accomplishments.

EURASIP Members are invited to nominate candidates for EURASIP awards, that fall into the following categories.

**Society Awards:**
- Meritorious Service Award
- Group Technical Achievement Award
- Technical Achievement Award
- Athanasios Papoulis Award

**Best Paper Awards:**
- Best Paper Award in Signal Processing
- Best Paper Award in Signal Processing: Image Communication
- Best Paper Award in Speech Communication
- Best Paper Award in EURASIP Journal on Advances in Signal Processing
- Best Paper Award in EURASIP Journal on Wireless Communications and Networking
- Best Paper Award in EURASIP Journal on Image and Video Processing

For additional information, please visit the EURASIP website at: http://www.eurasip.org/, where details on the nomination process are reported and downloadable copies of the nomination forms and of the “Awards Selection Procedures” document can be found. A listing of previous award recipients with their award citations is also available on the EURASIP Awards webpage.
Where to Submit Nominations

Nominations should be submitted to the EURASIP Awards chair, Prof. Fulvio Gini, by e-mail (f.gini@ing.unipi.it). The deadline for Best Paper Awards is October 31st, 2011. The deadline for Society Awards is December 31st, 2011.

We encourage you to share this information with your colleagues and peers.

Fulvio Gini
Director, Awards Chairman
EURASIP Local Liaison Programme
and Activity Report

The Local Liaison (LL) program begun in March 2009, since then 14 seminars have been held, the first one was given by Prof. Simon Haykin at Universidad Politecnica de Madrid. We are now 61 LL, to find out who your liaison is in your country, we encourage you to visit our website at www.eurasip.org/.

Liaisons are appointed by EURASIP BoD and are chosen to best meet the profile of active people within the Signal Processing community. They are in charge not only of coordinating and stimulating local activities, but also of contributing to promote EURASIP at the national level, increasing the response to problems and inviting young collaborators and colleagues to: submit their PhD theses to the EURASIP PhD data base, gather information for e-news (top-ten articles, job openings, success stories, celebrations, letters to the editor, advices on tutorials, books...). Do not hesitate to contact us and join, especially those of you working in industry.

Information concerning past editions of EURASIP sponsored seminars have been recently updated. Slides from the most recent seminars can be downloaded from the EURASIP website:


* Automatic Transcription: An Enabling Technology for Music Analysis (Old University of Athens, Plaka, Athens, Greece). Given by Dr. Simon Dixon, Queen Mary University, London, UK and organized by Aggelos Pikrakis, University of Piraeus.

Note that you can organize stand-alone seminars or EURASIP seminars within workshops, and apply for EURASIP funding for such activities.

I encourage everyone to organize local liaison events. The actual format of these activities is intentionally left largely undefined. You shall contact one of our local liaisons (www.eurasip.org) and send your application to ana.isabel.perez@upc.edu, you will have a decision on it within one month from its submission.

Ana Perez-Neira
Director, Local Liaison Coordinator
EURASIP Member Services on the Web

In April 2011, EURASIP launched a new membership server that was built with contemporary, cost effective web technologies. From the member’s perspective, this new service has an improved user interface and from an administrative point of view, it provides enhanced functionality for member indexing, report generation and message broadcasting. The new membership server can be accessed via eurasip.org, or directly, at www.eurasip.di.uoa.gr.

The next major service upgrade is also expected to take place in 2011 and its outcome will be a new search engine for the EURASIP Open Library and the Theses Repository. As its name suggests, the Open Library is a publicly available service that provides access to all EUSIPCO proceedings, as well as the proceedings of several other EURASIP sponsored events. In addition, the Theses Repository, since its launch in 2008, has grown to include over 380 signal processing theses from universities around the world, with the majority of theses stemming from European institutions. So far, the library has been providing standard search facilities and a top-10 list of most downloaded theses that is updated on a monthly basis. The earliest thesis dates back to 1990 and there are already seven theses that were defended in 2011. On the average, the theses of the top-10 list receive, each month, a sum of more than 700 downloads. The new search engine, which is now at a design stage, is expected to facilitate significantly content-based information retrieval from the Open Library and the Theses database and also provide real-time statistics. The two services, in their current form, can be accessed via eurasip.org.

Aggelos Pikrakis
Director/Web Services
Springer

Springer is one of the largest STM publishers in the world, publishing about 2000 journal titles, containing about 180,000 articles per year, and publishing about 5000 new book titles yearly. Next to this the company publishes database products like Springer reference, Springer protocols and Springer images.

All Springer content is published at SpringerLink, with currently over 5 million documents. About 70,000 book titles are available as e-books now on this platform.

Springer and gold open access

Springer's open access policy is pragmatic and not ideology centered. The company has always recognized the apparent need for open access publishing and has decided to serve the needs of the scientists and their communities.

Springer pioneered the hybrid model with Springer Open Choice, leaving the choice of how to publish with the author or her/his funder. After acceptance of an article the author is asked to decide which choice (s)he makes, either transfer copyright and get published in the subscription mode, or pay an Article Processing Fee, retain the copyright and be published with open access under a CC license attribution, non commercial.

BioMed Central and Springer Open

In 2008 Springer decided to acquire BioMed Central, the world’s largest open access publisher, now publishing about 220 journals with full open access. BioMed Central is most active in the life sciences and medicine fields, and is very successfully growing the number of open access journals and articles in these scientific communities.

This success is for Springer a clear indicator that open access is there to stay. As a result the company decided to start open access journals in many other scientific subjects, under the SpringerOpen brand. By doing that, it provides the scientists that need or want to publish with open access an opportunity, next to the Springer Open Choice option. In that process the possible acquisition of quality open access journals (like the EURASIP journals) is looked at, it will speed up the impact of the SpringerOpen journals.

Acquiring the EURASIP and some other journals from Hindawi is a great opportunity to boost the quality and the impact of the SpringerOpen program. For all journals, handling
(from submission to publication) is done on the platform of BioMed Central, ensuring a smooth publishing experience for the authors.

Springer is delighted to welcome the EURASIP journals to its portfolio. Springer will grow the impact of the journals in the respective communities and of course the impact of the Springer open access activities.

Workshop and Conference Activities

The 19th European Signal Processing Conference (EUSIPCO 2011) will take place in Barcelona, Spain, from 29 August until 2 September 2011. The General Chair, Ana I. Pérez-Neira, and her General Vice-Chair, Carles Antón-Haro, together with their team, selected outstanding Keynote Speakers and put together a set of high-quality special sessions organised by leading researchers on timely and most interesting topics. All the information is available at the following address: http://www.eusipco2011.org/. The success of the conference is dependent on your valuable participation. I look forward to meeting you in Barcelona.

In this issue of the newsletter you will also find a calendar of events, which lists forthcoming workshops or conferences that are co-sponsored by EURASIP. Some Calls for Papers are also included. Among these you will find the CFP for the forthcoming EUSIPCO conference. The Board of Directors of EURASIP would like to receive proposals for future EUSIPCO conferences. I would be delighted to receive an e-mail indicating your interest in organising future EUSIPCO conferences.

Abdelhak Zoubir
EURASIP Event Coordinator
event@eurasip.org
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<td>September 4–6</td>
<td>The 7th International Symposium on Image and Signal Processing and Analysis (ISPA 2011)</td>
<td>Dubrovnik, Croatia</td>
<td>Co-sponsor</td>
<td>Sven Loncaric</td>
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<td>September 14–16</td>
<td>The 53rd International Symposium (ELMAR-2011)</td>
<td>Zadar, Croatia</td>
<td>Co-sponsor</td>
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<td>December 13–16</td>
<td>The 4th International Workshop on Computational Advances in Multi-Sensor Adaptive Processing (CAMSAP 2011)</td>
<td>San Juan, Puerto Rico</td>
<td>Co-sponsor</td>
<td>Maria Sabrina Greco</td>
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<td>April 11–13</td>
<td>19th International Conference on Systems, Signals and Image Processing (IWSSIP 2012)</td>
<td>Vienna, Austria</td>
<td>Co-sponsor</td>
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Abdelhak Zoubir
EURASIP Event Coordinator

CSNDSP 2010 was held from July 21–23, 2010 in Newcastle upon Tyne, United Kingdom, and had more than 200 attendees from 48 countries. The conference took place at City Campus East, Northumbria University, which is a modern multi-million pounds campus with conference facilities at the heart of Newcastle upon Tyne.

The conference started with a tutorial on Control theory in Chaos-based Private Communications conducted by Prof. Gilles Millérioux (Nancy University, France) and Dr. Krishna Busawon (Northumbria University, U.K.).

There were 5 plenary talks: Professor H. Aghvami from Kings College London, U.K. (“Cross - Layer Design and Interconnections: The Challenges”), Prof. N. Boston from University of Wisconsin, USA (“Mathematical Innovation in EE Research - Successes and Failures”), Professor M. N. Zervas from University of Southampton, U.K. (“Advanced Microresonator Structures for Telecommunication Applications”), Professor Patrick Guy Farrell from Lancaster University, U.K. (“Error-Control Codes: from Promising Beginnings to Ubiquitous Use”) and Rainer Uhle from SAP NetWeaver Product Management, Germany (“Galileo based Mobility Services”). The conference also had one invited talk from Dr. Jarek Rosinski from J R Dynamics Ltd, U.K. on “Wireless Data Acquisition System - Solving Problems in Power Transmission Industry”.

The conference has 3 colloquiums and 2 workshops as listed below:

- 2nd Colloquium on Photonic Communications Systems and Networks,
- 2nd Colloquium on Optical Wireless Communications,
- 2nd Colloquium on Satellite and Space Communications,
- Workshop on Broadband wired and wireless networks,
- 2nd Workshop on Communication Technologies for Vehicles.

In addition, there are also 11 special sessions focusing on current and emerging technologies. There were three parallel sessions on the 1st and 3rd days while on the 2nd day there was four parallel sessions. In total there are 180 papers presented in 2 poster sessions and 27 technical sessions. Each paper received at least 2 reviews and the acceptance rate was approximately 70%. The conference awarded 10 travel grants as well as 3 prizes to the best papers.

There were exhibition event at CSNDSP 2010 which was held in parallel to the technical sessions. There were exhibition by Rohde & Schwartz, OptoSci, Mediterranean Journals, IEEE and IET.
The City of Newcastle upon Tyne is a strong supporter of the event and the Lord Mayor has hosted the conference delegates to the Lord Mayors reception at the Civic Centre on the 21st July 2010. The delegates also have a chance to get to know the city on the first day when they went on the city walk. On the second day, the conference dinner was held at Hilton Hotel in Gateshead where the delegates visited the beautiful Newcastle Quayside before the dinner. On the last day, the delegates went on the river cruise on River Tyne to visit some historical sites. For more images please see: http://soe.northumbria.ac.uk/ocr/csndsp/photos.html.

The CSNDSP 2010 local organising committee would like to thank the invited speakers, authors, TPC, organisations and delegates that contributed towards the success of CSNDSP 2010. We hope all the participants experienced the hospitality of the City of Newcastle upon Tyne and enjoyed CSNDSP 2010. Next event will be held in the city of Poznan, Poland in July 2012.

Professor Zabih Ghassemlooy and Dr Wai Pang Ng
(On behalf of the CSNDSP 2010 local organising committee)
Report on the 9th International Workshop on Content-Based Multimedia Indexing (CBMI 2011)

Following the eight successful previous events of CBMI (Toulouse 1999, Brescia 2001, Rennes 2003, Riga 2005, Bordeaux 2007, London 2008, Chania 2009 and Grenoble 2010), the 9th International Workshop on Content-Based Multimedia Indexing (CBMI 2011) was successfully held in Madrid, Spain, from 13th to 15th June and hosted by the Video Processing and Understanding Lab (VPULab) and the Information Retrieval Group (IRG) of Universidad Autónoma de Madrid. Over 60 participants attended the workshop that was held at the Escuela Politécnica Superior of the Universidad Autónoma de Madrid. The workshop was technically sponsored by the IEEE Circuits and Systems Society and EURASIP.

CBMI 2011 received 77 submissions (71 papers and 6 demo proposals) from which the program committee selected 26 for oral presentations, 14 for poster presentations and 3 for demo presentations. Over 60 participants attended the workshop featuring six oral sessions (two of them special sessions on “Event-based multimedia indexing” and on “Indexing and Retrieval of Multimedia Cultural Heritage Objects”), and two poster and demo sessions. In addition, it featured three keynote talks given by Jiebo Luo, from Kodak Research Laboratories (US), on “Understanding Multimedia Content Using Web Scale Social Media Data”, Ferran Marqués, from the Universitat Politècnica de Catalunya (Spain), on “Region-based semantic image analysis: Application to image and video indexing”, and Stefan Rüger, from the Open University (UK), on “Are we there yet? Challenges and opportunities for content-based multimedia indexing”.
We hope all the participants experienced the hospitality of the City of Madrid and enjoyed CBMI 2011 and the Flamenco social event.

The CBMI 2011 organizing committee would like to thank the many individuals and organizations that contributed towards the success of the workshop. We would especially like to thank all the authors, keynote speakers, TPC members, reviewers and participants.

José M. Martínez
(On behalf of the CBMI 2011 organizing committee)
EUROPEAN ASSOCIATION FOR SIGNAL PROCESSING

20th European Signal Processing Conference EUSIPCO 2012
BUCHAREST, ROMANIA - AUGUST 27-31, 2012

EUSIPCO 2012 CALL FOR PAPERS

The 2012 European Signal Processing Conference (EUSIPCO-2012) is the 20th of its kind organized by the European Association for Signal, Speech, and Image Processing (EURASIP).

The conference will be held at the Palace of the Parliament in Bucharest, Romania and is organized by University POLITEHNICA of Bucharest and Telecom ParisTech. The focus will be on signal processing theory, algorithms, and applications. Papers will be accepted based on quality, relevance, and novelty and accepted papers will be published in the proceedings of EUSIPCO-2012 and indexed in the main bibliographic databases.

AREAS OF INTEREST
Submissions are invited in, but not limited to, the following areas:

- Audio and electroacoustics
- Design and implementation of signal processing systems
- Multimedia signal processing
- Spoken language technology
- Image and video processing
- Signal estimation and detection
- Sensor array and multi-channel processing
- Signal processing for communications
- Nonlinear signal processing
- Signal processing applications
- Bio-medical signal processing
- Information forensics and security

SUBMISSION
Procedures to submit a paper, proposal for special sessions and tutorials are detailed at www.eusipco2012.org. Submitted papers must be camera-ready, no more than five pages long, and conforming to the format specified on the EUSIPCO-2012 website.

SCHEDULE
- Proposals for special sessions December 4, 2011
- Proposals for tutorials February 19, 2012
- Electronic submission of papers February 26, 2012
- Notification of acceptance May 20, 2012
- Submissions of camera-ready papers June 17, 2012

MORE INFORMATION is available at http://www.eusipco2012.org
**FIRST CALL - May 2011**

NOLISP’11

AN ISCA TUTORIAL AND RESEARCH WORKSHOP ON NON-LINEAR SPEECH PROCESSING

After the success of NOLISP’03 held in Le Croisic, NOLISP’05 in Barcelona, NOLISP’07 in Paris, and NOLISP’09 in Vic, we are pleased to present NOLISP ‘11 in Las Palmas de Gran Canaria (Spain)

Local Organizers: **University of Las Palmas de Gran Canaria (ULPGC)**

**AIMS OF THE WORKSHOP**

Many specifics of the speech signal are not well addressed by the conventional models currently used in the field of speech processing. The purpose of the workshop is to present and discuss novel ideas, work and results related to alternative techniques for speech processing, which depart from mainstream approaches.

**FOCUS OF THE WORKSHOP**

Contributions are expected in the following domains (non-limited list):

I. Non-Linear Approximation and Estimation
II. Non-Linear Oscillators and Predictors
III. Higher-Order Statistics
IV. Independent Component Analysis
V. Nearest Neighbours
VI. Neural Networks
VII. Decision Trees
VIII. Non-Parametric Models
IX. Dynamics of Non-Linear Systems
X. Fractal Methods
XI. Chaos Modeling
XII. Non-Linear Differential Equations
XIII. Others

All fields of speech processing are targeted by the workshop, namely:

1. Speech Production
2. Speech Analysis and Modeling
3. Speech Coding
4. Speech Synthesis
5. Speech Recognition
6. Speaker Identification / Verification
7. Speech Enhancement / Separation
8. Speech Perception
9. Others

**PLENARY SPEAKERS**

- Pedro GÓMEZ-VILDA, UPM, (Spain)
- Max Little, MIT, (USA)

**SCIENTIFIC COMMITTEE**

Frédéric BIMBOT, IRISA, Rennes (France)
Mohamed CHETOUANI, UPMC, Paris (France)
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Eduardo LLEIDA, University of Zaragoza (Spain)
Carlos M. TRAVIESO, University of Las Palmas de GC (Spain)

**SUBMISSION**

Prospective authors are invited to submit a 4 pages paper proposal in English, which will be evaluated by the Scientific Committee, for inclusion in the CD-ROM proceedings. Selected papers will be included on Special Issue of Cognitive Computation (Elsevier Journal).

**KEY DATES**

Submission (full paper): July 12, 2011
Notification of acceptance: September 19, 2011
Final (revised) paper: October 04, 2011
Workshop: November 07-09, 2011

**SPECIAL ISSUE**

Journal Springer Cognitive Computation will publish a Special Issue with selected papers from the NOLISP 2011.

**ORGANISING COMMITTEE**: Carlos M. TRAVIESO (ULPGC), Jesús B. ALONSO (ULPGC), Miguel A. FERRER (ULPGC), Marcos del POZO (ULPGC), Jaime R. TICAY (ULPGC), Jordi SOLE-CASALS (UVic), Santiago PEREZ (ULPGC), David SÁNCHEZ (ULPGC), Patricia HENRIQUEZ (ULPGC).

**CONTACT**: nolisp2011@idetic.eu

**WEB SITE**: http://nolisp2011.idetic.eu
The Fourth International Workshop on Computational Advances in Multi-Sensor Adaptive Processing
December 13-16 2011; San Juan Marriott Resort - San Juan, Puerto Rico

CALL FOR PAPERS
Following the success of the first three editions, we are pleased to announce the fourth workshop in the CAMSAP series, sponsored by the Sensor Array and Multi-channel Technical Committee of the IEEE Signal Processing Society. CAMSAP 2011 will be held at the San Juan Marriott Resort in San Juan, Puerto Rico, and will feature plenary talks from the world’s leading researchers in the area, special focus sessions, and contributed papers. To provide feedback to the authors and ensure a high-quality program, all papers will undergo peer review.

TOPICS OF INTEREST:
• Convex optimization and relaxation methods
• Computational linear algebra
• Computer-intensive methods in statistical SP (bootstrap, MCM, EM, particle filtering)
• Distributed computing, estimation, and detection algorithms
• Sampling and signal processing methods that exploit sparsity
• Emerging techniques

APPLICATIONS:
• Array processing: beamforming, space-time processing, and waveform design
• Communication systems
• Sensor networks
• Biomedical SP
• Computational imaging
• Emerging applications

IMPORTANT DATES
Full four-page paper submission: July 8th 2011
Notification of acceptance: September 16th 2011
Final camera-ready papers: October 14th 2011
Early registration: November 4th 2011

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Abdelhak Zoubir (Univ. of Darmstadt, Germany)

For more information visit the website at: www.conference.iet.unipi.it/camsap11/

Technically co-sponsored by:
The 19th International Conference on Systems, Signals and Image Processing, IWSSIP 2012, will take place in the city of Vienna, Austria from April 11 to April 13, 2012 and will be hosted by the Vienna University of Technology (http://www.tuwien.ac.at/EN/).

IWSSIP (http://www.iwssip.org/) is an international conference on theoretical, experimental, and applied signal processing techniques. IWSSIP brings together researchers and developers from both academia and industry to report on the latest scientific and theoretical advances to discuss and debate major issues and to demonstrate state-of-the-art systems. The proceedings of IWSSIP 2012 will be published in IEEE Xplore. More details can be found on http://www.iwssip2012.com/.

Areas of Interest
The program includes keynote and special lectures presented by eminent experts in the field, peer reviewed contributed papers, posters, and special sessions about but not limited to the following topics:

**Wireless Communications**
- MIMO and multi-antenna communications
- Multi-user MIMO
- Cooperative transmission and reception
- Next generation mobile networks
- LTE, WiMAX, and other emerging broadband wireless networks
- Wireless sensor network systems
- Cognitive Radio

**Multimedia**
- Multimedia services in NGN
- Multimedia data compression
- Multimedia human-machine interface and interaction
- Multimedia content processing and content description
- Multimedia signal processing
- Multimedia communications, networking, services and applications
- Multimedia systems and services

**Security**
- Watermarking and encryption
- Trust and security systems

**Image and Video Processing**
- Image and video processing and coding
- Medical imaging and image analysis
- Video streaming and video conferencing

**Signal Processing**
- Signal processing and systems
- Speech and audio processing
- Signal detection and estimation
- Signal processing for communications
- Design and implementation of signal processing systems
- Signal processing education
- Bioinformatics
- Neural Networks and Fuzzy Systems
- Genetic Algorithms

**Networks**
- Multicast & broadcast for IPTV
- DVB and IPTV technologies
- IMS based NGN architecture, services and protocols

**Important Deadlines**
**September 15, 2011** - Proposals for tutorials and special sessions
**October 15, 2011** - Electronic submission of papers
**December 15, 2011** - Notification of acceptance
**January 31, 2012** - Submission of camera-ready papers
Special Issue on
The Coming of Ubiquitous Visual Computing

CALL FOR PAPERS
Visual perception is a critical human capability that allows us to sense and interact with the surrounding world and with each other. Visual perception consists of two major parts: sensing and understanding. In a visual computing machine system, these correspond to sensors for capturing images, and computational power for analyzing (low level) and interpreting (high level) the images. Mimicking the visual perception of human using a machine has been one of the central tasks for many disciplines and has been shown to be challenging partly due to the limitations of sensors and available computational power.

With recent advances of small CMOS sensors, driven mostly by the mobile phone industry, we see an era of sensors that rival human eyes in terms of resolution. As for computational power, we see processors running over 1GHz on small consumer devices. In particular, the graphics processing unit (GPU) has become so powerful and programmable that applications far beyond graphics utilize these GPU’s. We have also seen visual computing systems that exploit computation and sensing jointly, much like a human perception system. The revolution in hardware not only provides accelerated computation for many traditional visual computing tasks, but also enables new applications. For example, with an array of inexpensive and small sensors (CMOS imager, GPS, 3D accelerometers), handheld devices are beginning to move beyond simple location–based navigation, to Augmented Reality (AR) applications that mix real life images with synthesized graphics to enrich human visual experiences.

All these suggest that ubiquitous visual computing is coming and will have significant impact upon our society. This special issue will focus both on novel and innovative applications and on fundamental theoretical principles and limits of ubiquitous visual computing. Original high–quality papers, including review articles, are solicited. Potential topics include, but are not limited to:

- Sensing:
  - Computational photography
  - Computational imaging
  - Compressive sensing
- For digital entertainment:
  - Personalized video gaming
• Interactive 3D TV
• Gesture recognition
• For robotics:
  • Human robot interface
  • Intelligent sensing
  • Novel robotic application
• For mobile devices:
  • AR applications
  • Biometrics
  • Sensor fusion algorithms
• For health care:
  • Image guided surgery
  • Teleimaging
  • Bionic eye

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http://www.springeropen.com
Society has grown increasingly aware of the need to reduce CO$_2$ emissions in order to mitigate consequential environmental effects. The primary contributors to CO$_2$ emissions are electric power generation, transport, and manufacturing. Information and communications technology (ICT) at present contributes a nonnegligible 3% of world-wide energy consumption, which in turn causes about 2% of the world-wide CO$_2$ emissions. The dramatic growth in internet traffic and the growing use of mobile and wireless technologies to support this are likely to increase CO$_2$ emissions in the future unless greater energy efficiency can be achieved in networking technologies. Thus, the development of wireless networks that require lower energy consumption is desirable. In addition to this key driver of reducing CO$_2$ emissions, the cost of energy has increased substantially and this is a significant proportion of the costs of any wireless infrastructure company. These issues have resulted in an increased interest in “green radio” networks that reduce the energy requirements for wireless communications and can thus contribute not only to goals for sustainable development, but also to the profitability of the telecommunication industry.

Although green radio can be justified in the context of energy consumption as noted above, it also can be viewed in a wider sense, such as in the optimization of spectrum usage to reduce electromagnetic radiation levels in order to enable coexistence of multiple wireless systems (i.e., less interference) as well as to reduced human exposure to radiation, in the recycling and reuse of ICT equipment, and in many other related contexts. In line with such objectives, the topics of this special issue to be covered include, but are not limited to:

- Energy-efficient communications electronic systems and components
- Energy-efficient transmission systems
- Energy-efficient architectures
- Energy-efficient networks
- Theoretical performance analyses and limits for green radio
- Methods that enable characterization and measurement of environmentally sound systems
- Advanced signal processing techniques for energy-efficient transmission systems
- Green cognitive radio
- Green spectrum usage
• Decision making (game theory, reinforcement learning) to promote energy efficiency and sustainability
• Consumption management of green transmission systems
• Life cycle improvement for ICT equipment
• Electromagnetic pollution mitigation
• Standardization
• Test beds and experimental results
• Applications of green radio networks

Authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking System at http://jwcn.eurasipjournals.com/ according to the following timetable:

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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.

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

Open Access
Computational Intelligence and Neuroscience, as an open access journal, enables immediate, worldwide, barrier-free online access to the full text of published research articles for all interested readers. Accepted articles are released under the “Creative Commons Attribution License,” by which the author remains the copyright holder and permits the unrestricted use, distribution, and reproduction of the article in any medium, provided the original work is properly cited.

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In order to ensure the fastest possible publication speed following the acceptance of a manuscript, once an article is accepted we make the author’s version immediately available online. Then, in an average of 60 days, we publish the final edited version of the paper. Following an article-by-article schedule rather than an issue-by-issue schedule allows for a much faster publication speed, since articles are not delayed until an entire issue has been completed.

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The journal has a distinguished Editorial Board with extensive academic qualifications, which ensures that the journal maintains high scientific standards and has broad international coverage.

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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.

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We are committed to keeping the publication speed of the journal as fast as possible, while at the same time ensuring a thorough peer-reviewed process. In order to ensure the fastest possible publication speed following the acceptance of a manuscript, once an article is accepted we make the author’s version immediately available online. Then, in an average of 60 days, we publish the final edited version of the paper. Following an article-by-article schedule rather than an issue-by-issue schedule allows for a much faster publication speed, since articles are not delayed until an entire issue has been completed.

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The journal has a distinguished Editorial Board with extensive academic qualifications, which ensures that the journal maintains high scientific standards and has broad international coverage.

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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
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International Journal of Digital Multimedia Broadcasting aims to provide a high-quality and timely forum for engineers, researchers, and educators whose interests are in digital multimedia broadcasting to learn recent developments, to share related challenges, to compare multistandards, and further to design new and improved systems. Subject areas include, but are not limited to:

- Multimedia broadcasting overall system and standardization, multimedia signal compression, and coding for broadcasting
- Multimedia streaming and control, IPTV with broadcasting, multimedia content services, and digital rights management over broadcasting
- Modulation and demodulation
- Channel estimation and equalization
- VLSI design and system-on-chip implementation for multimedia broadcasting reception
- Cross-layer analysis and integration, single-chip solution, and power and spectral efficiency
- Antenna and propagation for multimedia transmission and reception
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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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Aims and Scope
The aim of the International Journal of Reconfigurable Computing is to serve the large community of researchers and professional engineers working on theoretical and practical aspects of reconfigurable computing. The journal seeks to promote the use of reconfigurable computing for research, education, and applications. Original full and short papers on all aspects of reconfigurable computing, from hardware architectures and devices to custom computers and high performance systems, are encouraged for submission.

All aspects of reconfigurable computing are considered. Since the entire field is very dynamic, areas of the interest include, but are not limited to:

- Models, methods, tools, and architectures for reconfigurable computing
- Compilation, simulation, debugging, synthesis, verification, and test of reconfigurable systems
- Field programmable gate arrays and other reconfigurable technologies
- Self-adaptation and dynamic reconfiguration
- Evolvable hardware and adaptive computing
- Algorithms implemented on reconfigurable hardware
- Hardware/software codesign and cosimulation with reconfigurable hardware
- High performance reconfigurable computing
- Reconfigurable computing education

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Aims and Scope
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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Aims and Scope
Journal of Computer Networks and Communications is a peer-reviewed, open access journal that publishes original research and review articles in all areas of computer networks and communications.

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Aims and Scope
Journal of Electrical and Computer Engineering is a peer-reviewed, open access journal that publishes original research articles as well as review articles in several areas of electrical and computer engineering. The subject areas covered by the journal are:

- Circuits and Systems
- Communications
- Signal Processing

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International Editorial Board
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Aims and Scope

VLSI Design is a peer-reviewed, open access journal, which presents state-of-the-art papers in VLSI design, computer-aided design, design analysis, design implementation, simulation, and testing. Topics relating to both theory and applications are discussed. The journal’s scope also includes papers that address technical trends, pressing issues, and educational aspects in VLSI Design.

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

Indexing/Abstracting

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