



Conference on Design and Architectures for Signal and Image Processing

September 27-29, 2017

Dresden, Germany

<http://dasip2017.esit.rub.de/>

General Co-Chairs:

Diana Göhringer, Ruhr-University Bochum, DE
Olivier Romain, Univ. Cergy Pontoise, ETIS Lab, FR

Program Co-Chairs:

Francesca Palumbo, University of Sassari, IT
João Canas Ferreira, University of Porto, PT

CALL FOR PAPERS

Paper Submission Deadline: April 15, 2017

The Conference on Design and Architectures for Signal and Image Processing – DASIP provides an inspiring international forum for latest innovations and developments in the field of leading edge embedded signal processing systems. The conference program will include keynote speeches, contributed paper sessions, demonstrations, and special sessions on timely topics. Authors are invited to submit manuscripts on topics including, but not limited to:

Design Methods and Tools

- Design verification and fault tolerance
- Embedded system security and security validation
- System-level design and hardware/software co-design
- Communication synthesis, architectural and logic synthesis
- Embedded real-time systems and real-time operating systems
- Rapid system prototyping, performance analysis and estimation
- Formal models, transformations, algorithm transformations and metrics

Development Platforms, Architectures and Technologies

- Embedded platforms for multimedia and telecom
- Many-core and multi-processor systems, SoCs, and NoCs
- Reconfigurable ASIPs, FPGAs, and dynamically reconfigurable systems
- Asynchronous (self-timed) circuits and analog and mixed-signal circuits
- Digital bio-signal processing, biologically based and/or inspired systems

Use-Cases and Applications

- Ambient intelligence, ubiquitous and wearable computing
- Global navigation satellite systems, smart cameras, and PDAs
- Security systems, cryptography, object recognition and tracking
- Embedded systems for automotive, aerospace, and health applications

Smart Sensing Systems

- Sensor networks, environmental and system monitoring
- Vision, audio, fingerprint, health monitoring, and biosensors
- Structurally-embedded, distributed, and multiplexed sensors
- Sensing for active control systems, adaptive and evolutionary sensors

SPECIAL SESSIONS

DASIP 2017 will feature Special Sessions with the purpose of introducing the DASIP community to relevant hot topics:

- Signal Processing and Architectures for 5G Wireless Systems
Organizers: Arnaldo S. R. Oliveira and José Neto Vieira (DETI-UA/IT-Aveiro, PT)
- Reconfigurable Systems and Tools for Signal, Image and Video Processing
Organizers: Nuno Roma (INESC-ID, Instituto Superior Técnico, Universidade de Lisboa, PT), Sebastian Lopez (Universidad de Las Palmas de Gran Canaria, SP)
- SCRAT: Smart CameRAs design and archiTecture
Organizers: François Berry (Institut Pascal, FR), Maxime Pelcat (INSA Rennes, Institut Pasca, FR)
- Real-time Hyperspectral Image and Video Processing
Organizers: Eduardo Juarez Martinez (Universidad Politécnica de Madrid, SP), Rubén Salvador (Universidad Politécnica de Madrid, SP), Gustavo Marrero Callico (Universidad de Las Palmas de Gran Canaria, SP)

DEMO NIGHT

During the DASIP 2017 Demo Night, universities and public research institutes are invited to demonstrate their hardware platforms, prototypes and tools. Authors should submit their full papers (up to 2 pages, double-column IEEE format) in PDF through the web based submission system. Accepted Demo Night papers containing new scientific results have the option to be submitted for inclusion in the IEEE Digital Xplore Library (To be confirmed).

IMPORTANT DATES

Abstract submission deadline:	April 7, 2017
Paper submission deadline:	April 15, 2017
Regular paper notification of acceptance:	June 15, 2017
Demo Night paper submission:	June 1, 2017
Demo night papers notification of acceptance:	June 30, 2017
Camera ready papers:	July 15, 2017

REQUIREMENTS FOR SUBMISSION

SUBMISSION REQUIREMENTS

Authors should submit their full papers (up to 6 pages, double-column IEEE format) in PDF through the web based submission system (Demo Night - 2 pages). Submitted papers are required to describe original unpublished work and must not be under consideration for publication elsewhere. Submissions must be fully anonymous, but authors should not hide previous work, instead, they need to make self-references in third person.

Full submission requirements, templates and submission instructions can be found at: <http://dasip2017.esit.rub.de/submission.html>

PUBLICATIONS

Each submission will receive at least three independent double blind reviews from the members of our scientific committee. Authors of accepted papers must address those comments in the camera ready version and present it in the conference prior to its publication. The conference proceedings will be published submitted for inclusion in the IEEE Xplore Digital Library (To be confirmed). Paper and keynote presentation slides and tutorial documents will be made available to conference attendees after the conference (subject to confidentiality issues). Authors of the best papers will be invited to submit an extended version of their work to an international journal (To be confirmed).

TUTORIALS

Proposals for tutorials will be accepted depending on topic relevance and evidence of a comprehensive agenda. A one-page description of the tutorial including title, presenters, contents, and the relevant track(s) should be sent to ads@mailbox.tu-dresden.de.

SPONSORSHIP OPPORTUNITIES

This year, we offer you the opportunity to sponsor DASIP Conference. With various items and packages available, give your company a higher visibility before and during the event!

For more information, please contact ads@mailbox.tu-dresden.de

ORGANIZING COMMITTEE

General Co-Chairs:

Diana Goehringer (Ruhr-University Bochum, DE)
Olivier Romain (Univ. Cergy Pontoise, ETIS Lab, FR)

Publicity Co-Chairs:

Gabriel Marchesan (Harman International, DE)
Brain Veale (IBM, US)

Demo Night Chair:

Michael Hübner (Ruhr-University Bochum, DE)

Program Co-Chairs:

Francesca Palumbo (University of Sassari, IT)
João Canas Ferreira (University of Porto, PT)

Publication Chair:

Michael Hübner (Ruhr-University Bochum, DE)

Local Arrangement:

Jenny Baumann (TU Dresden, DE)

Web Chair:

André Garbers (Ruhr-University Bochum, DE)

STEERING COMMITTEE

Joao M. P. Cardoso (University of Porto, PT)
Emmanuel Casseau (University of Rennes 1, FR)
Eduardo De La Torre (Univ. Politécnica de Madrid, SP)
Diana Goehringer (Ruhr-Universität Bochum, DE)
Guy Gogniat (Université de Bretagne Sud, FR)
Marek Gorgon (AGH University of Science and Technology, PL)
Bertrand Granado, (Université Pierre et Marie Curie (UPMC), FR)
Michael Hübner (Ruhr-Universität Bochum, DE)
Pierre Langlois (Polytechnique Montreal, CA)
Adam Morawiec (ECSI, FR)
Jean-François Nezan (INSA Rennes, FR)
Sebastien Pillement (Polytech'Nantes, FR)