



# Call for Papers

## 11<sup>th</sup> International Multiconference on Systems, Signals & Devices February, 11<sup>th</sup> - 14<sup>th</sup> 2014 Castelldefels-Barcelona, Spain

### General Chairs

Angel Cuadras  
Olfa Kanoun

### Program Co-Chairs

#### SAC Chair

Cecilio Angulo

#### PES Chair

Josep M. Guerrero

#### CSP Chair

Gabriel Montoro

Pere L. Gilabert

#### SCI Chair

Manel Gasulla

### International Steering Committee

Kasim Al-Aubidy (JO)  
Ghada Amer (EG)  
Mohamed Chtourou (TN)  
Nabil Derbel (TN)  
Faouzi Derbel (D)  
Mohamed Djemel (TN)  
Moez Feki (TN)  
Gerhard Fischerauer (D)  
Olfa Kanoun (D)  
Ahmed Masmoudi (TN)  
Luis Martinez Salamero (E)  
Mohamed Mekidech (DZ)  
Pierre Melchior (FR)  
Mohamed M'Saad (FR)

Welcome to the 11<sup>th</sup> International Multiconference on Signals, Systems and Devices 2014, a multidisciplinary forum for high quality research and interaction between engineers and researchers from different specialized areas. Students participation is strongly encouraged.

### Venue

The conference will be hosted at Castelldefels School of Telecommunications and Aerospace Engineering (Barcelona, Spain), campus of the Universitat Politècnica de Catalunya –Barcelona Tech. Castelldefels is a nice summer resort, located 20 km south Barcelona, with the benefits of a quiet place, but which is also very well communicated with the Olympic, modernist and Mobile World Capital Barcelona.

### Systems, Analysis and Automatic Control- SAC

SAC cover topics related to system design, modern control theory, robotics or human-machine interaction systems, including (but not limited) the following.

- Advances in linear control theory
- System optimization
- Multivariable control
- Large scale and infinite dimension systems
- Nonlinear control
- Optimal and stochastic control
- Predictive control
- Man-machine systems in engineering and operation
- Adaptive control
- Robotics and mechatronics
- Robust control
- Biological and economical models and control
- Distributed control
- Geometric control
- Communication aspects and architectural aspects in networked automated systems
- Intelligent control systems
- Requirements analysis in automation systems
- System identification
- Synthesis of automation systems

Researchers are encouraged to propose **Special Sessions** for emerging topics.

### Call for papers

Papers should be up to 6 pages length, written in English (templates available at the website). Paper submission should be done electronically to <http://edas.info/N14687>. Papers will be reviewed by at least 2 or 3 reviewers. Accepted papers, will be published in the SSD'14 Proceedings which will be submitted for publication in IEEE Xplorer® after the conference.

### Key Dates

Special session proposal: 31 Jul 2013

Acceptance notification: 1 Dec 2013

Regular paper submission: 15 Oct 2013

Final paper submission: 15 Dec 2013

Contact info

[submission@ssd-conf.org](mailto:submission@ssd-conf.org)  
[www.ssd-conf.org](http://www.ssd-conf.org)



Organizers





# Call for Papers

## 11<sup>th</sup> International Multiconference on Systems, Signals & Devices February, 11<sup>th</sup> - 14<sup>th</sup> 2014 Castelldefels-Barcelona, Spain

### General Chairs

Angel Cuadras  
Olfa Kanoun

### Program Co-Chairs

#### SAC Chair

Cecilio Angulo

#### PES Chair

Josep M. Guerrero

#### CSP Chair

Gabriel Montoro

Pere L. Gilabert

#### SCI Chair

Manel Gasulla

### International Steering Committee

#### Committee

Kasim Al-Aubidy (JO)  
Ghada Amer (EG)  
Mohamed Chtourou (TN)  
Nabil Derbel (TN)  
Faouzi Derbel (D)  
Mohamed Djemel (TN)  
Moez Feki (TN)  
Gerhard Fischerauer (D)  
Olfa Kanoun (D)  
Ahmed Masmoudi (TN)  
Luis Martinez Salamero (E)  
Mohamed Mekidech (DZ)  
Pierre Melchior (FR)  
Mohamed M'Saad (FR)

Welcome to the 11<sup>th</sup> International Multiconference on Signals, Systems and Devices 2014, a multidisciplinary forum for high quality research and interaction between engineers and researchers from different specialized areas. Students participation is strongly encouraged.

### Venue

The conference will be hosted at Castelldefels School of Telecommunications and Aerospace Engineering (Barcelona, Spain), campus of the Universitat Politècnica de Catalunya –Barcelona Tech. Castelldefels is a nice summer resort, located 20 km south Barcelona, with the benefits of a quiet place, but which is also very well communicated with the Olympic, modernist and Mobile World Capital Barcelona.

### Power Electrical Systems – PES

**PES** covers topics related to power systems and applications, from generation, management, to control and monitoring, including (but not limited) the following:

- Electric machines: design, modeling, control
- Monitoring and diagnostics
- Special machines - Power electronic systems
- Power electronic converters
- Variable speed drives
- Renewable energy systems
- High voltage DC transmission
- Automotive power systems
- Electromagnetic compatibility
- Micro-grids and virtual power plants
- Smart grids and distribution networks
- Low voltage DC distribution networks
- Grid-connected power electronics converters
- Islanding issues
- Power quality
- Distributed power systems

Researchers are encouraged to propose **Special Sessions** for emerging topics.

### Call for papers

Papers should be up to 6 pages length, written in English (templates available at the website). Paper submission should be done electronically to <http://edas.info/N14687>. Papers will be **reviewed by at least 2 or 3 reviewers**. Accepted papers, will be published in the SSD'14 Proceedings which will **be submitted for publication in IEEE Xplorer® after the conference**.

### Key Dates

**Special session proposal: 31 Jul 2013**  
**Regular paper submission: 15 Oct 2013**  
**Acceptance notification: 1 Dec 2013**  
**Final paper submission: 15 Dec 2013**

Contact info

[submission@ssd-conf.org](mailto:submission@ssd-conf.org)  
[www.ssd-conf.org](http://www.ssd-conf.org)

Sponsors:



Organizers



UNIVERSITAT POLITÈCNICA  
DE CATALUNYA  
BARCELONATECH





# Call for Papers

## 11<sup>th</sup> International Multiconference on Systems, Signals & Devices February, 11<sup>th</sup> - 14<sup>th</sup> 2014 Castelldefels-Barcelona, Spain

### General Chairs

Angel Cuadras  
Olfa Kanoun

### Program Co-Chairs

#### SAC Chair

Cecilio Angulo

#### PES Chair

Josep M. Guerrero

#### CSP Chair

Gabriel Montoro

Pere L. Gilabert

#### SCI Chair

Manel Gasulla

### International Steering Committee

Kasim Al-Aubidy (JO)  
Ghada Amer (EG)  
Mohamed Chtourou (TN)  
Nabil Derbel (TN)  
Faouzi Derbel (D)  
Mohamed Djemel (TN)  
Moez Feki (TN)  
Gerhard Fischerauer (D)  
Olfa Kanoun (D)  
Ahmed Masmoudi (TN)  
Luis Martinez Salamero (E)  
Mohamed Mekidech (DZ)  
Pierre Melchior (FR)  
Mohamed M'Saad (FR)

Welcome to the 11<sup>th</sup> International Multiconference on Signals, Systems and Devices 2014, a multidisciplinary forum for high quality research and interaction between engineers and researchers from different specialized areas. Students participation is strongly encouraged.

### Venue

The conference will be hosted at Castelldefels School of Telecommunications and Aerospace Engineering (Barcelona, Spain), campus of the Universitat Politècnica de Catalunya –Barcelona Tech. Castelldefels is a nice summer resort, located 20 km south Barcelona, with the benefits of a quiet place, but which is also very well communicated with the Olympic, modernist and Mobile World Capital Barcelona.

### Communications and Signal Processing – CSP

CSP covers topics related to communication systems (radio, TV, antennas), digital and analog signal and imaging, including (but not limited) the following:

- Communications systems and applications
- Digital signal processing
- Image and video compression algorithms
- Wireless and optical communication
- Biometry and medical imaging
- Adaptive and smart antennas
- Data fusion and pattern recognition
- Coding compression, information theory
- Modulation and signal design
- Specification of signal processing systems
- Influences of E-Mobility on communication
- Microwave Active and Passive Components and Circuits
- Cognitive and software defined radio
- New Emerging Technologies

### Call for papers

Papers should be up to 6 pages length, written in English (templates available at the website). Paper submission should be done electronically to <http://edas.info/N14687>. Papers will be reviewed by at least 2 or 3 reviewers. Accepted papers, will be published in the SSD'14 Proceedings which will be submitted for publication in IEEE Xplorer® after the conference.

### Key Dates

Special session proposal: 31 Jul 2013

Regular paper submission: 15 Oct 2013

Acceptance notification: 1 Dec 2013

Final paper submission: 15 Dec 2013

Contact info

[submission@ssd-conf.org](mailto:submission@ssd-conf.org)

[www.ssd-conf.org](http://www.ssd-conf.org)

Sponsors:



Organizers



UNIVERSITAT POLITÈCNICA  
DE CATALUNYA  
BARCELONATECH





# Call for Papers

## 11<sup>th</sup> International Multiconference on Systems, Signals & Devices February, 11<sup>th</sup> - 14<sup>th</sup> 2014 Castelldefels-Barcelona, Spain

### General Chairs

Angel Cuadras  
Olfa Kanoun

### Program Co-Chairs

#### SAC Chair

Cecilio Angulo

#### PES Chair

Josep M. Guerrero

#### CSP Chair

Gabriel Montoro

Pere L. Gilabert

#### SCI Chair

Manel Gasulla

### International Steering Committee

Kasim Al-Aubidy (JO)  
Ghada Amer (EG)  
Mohamed Chtourou (TN)  
Nabil Derbel (TN)  
Faouzi Derbel (D)  
Mohamed Djemel (TN)  
Moez Feki (TN)  
Gerhard Fischerauer (D)  
Olfa Kanoun (D)  
Ahmed Masmoudi (TN)  
Luis Martinez Salamero (E)  
Mohamed Mekidech (DZ)  
Pierre Melchior (FR)  
Mohamed M'Saad (FR)

Welcome to the 11<sup>th</sup> International Multiconference on Signals, Systems and Devices 2014, a multidisciplinary forum for high quality research and interaction between engineers and researchers from different specialized areas. Students participation is strongly encouraged.

### Venue

The conference will be hosted at Castelldefels School of Telecommunications and Aerospace Engineering (Barcelona, Spain), campus of the Universitat Politècnica de Catalunya –Barcelona Tech. Castelldefels is a nice summer resort, located 20 km south Barcelona, with the benefits of a quiet place, but which is also very well communicated with the Olympic, modernist and Mobile World Capital Barcelona.

### Sensor, Circuits and Instrumentation Systems – SCI

SCI will cover topics related to sensors, circuits and systems, including (but not limited to) the following:

- Optical, chemical and biomedical sensors
- Mechanical and thermal sensors
- Micro-sensors and MEMS-technology
- Nano sensors, nano systems and nano technology
- Spectroscopy methods
- Signal processing and modeling
- Multi sensor data fusion
- Data acquisition and distributed measurements
- Energy harvesting and circuits
- Medical and environmental applications
- Circuit test, device characterization and modeling
- Sensor interfaces and measuring systems
- Low-voltage, low-power VLSI design
- Nano and molecular electronics
- Circuits for wireless interfaces
- Packaging and reliability
- Materials, devices and interconnects
- Metrology and measurement uncertainty
- Battery monitoring

Researchers are encouraged to propose **Special Sessions** for emerging topics.

### Call for papers

Papers should be up to 6 pages length, written in English (templates available at the website). Paper submission should be done electronically to <http://edas.info/N14687>. Papers will be **reviewed by at least 2 or 3 reviewers**. Accepted papers, will be published in the SSD'14 Proceedings which will be **submitted for publication in IEEE Xplorer® after the conference**.

### Key Dates

**Special session proposal: 31 Jul 2013**  
**Acceptance notification: 1 Dec 2013**

**Regular paper submission: 15 Oct 2013**  
**Final paper submission: 15 Dec 2013**

Contact info

[submission@ssd-conf.org](mailto:submission@ssd-conf.org)  
[www.ssd-conf.org](http://www.ssd-conf.org)

Sponsors:



Organizers



UNIVERSITAT POLITÈCNICA  
DE CATALUNYA  
BARCELONATECH

