8th European Congress

# ERTS² 2016

27-29 JANUARY 2016 / TOULOUSE, FRANCE
CENTRE DE CONGRÈS PIERRE BAUDIS

**EMBEDDED REAL TIME
SOFTWARE AND SYSTEMS**

# CALL FOR PAPERS AND EXHIBITIONS

http://**www.erts2016.org**

## ORGANISERS

- **3AF,** the Society for Aeronautics and Space
- **SEE**, the Society for Electricity, Electronics, and Information and Communication Technologies
- **SIA**, the French Automotive Engineers Society

## GENERAL CHAIR

**Joseph Sifakis**, EPFL, Lausanne

**The ERTS² congress** is a unique European cross sector event on Embedded Software and Systems, a platform for top-level scientists with representatives from universities, research centers and industries. The previous editions gathered each more than 100 talks, 500 participants and 60 exhibitors.

ERTS² is both:

- a conference with high level scientific and technical presentations,
- an exhibition forum covering a wide range of innovative products and services, for improving direct relationship between providers and users,
- a unique community spirit: knowledge sharing, unforgettable moments and networking opportunities.

The late Jean-Claude Laprie was ERTS² Programme Committee chairman from 2002 to 2010 and brought ERTS² to its actual international reputation. Joseph Sifakis has taken over as Programme Committee chairman of the congress since 2012.

The eighth edition targets all the domains where embedded systems are crucial, especially, but not limited to, transportation (aeronautics, automotive, railway, subway, marine), satellite and space exploration, energy, telecommunications and wireless connectivity, e-healthcare, home automation, defence, industrial control.

## IMPORTANT DATES

### CALL FOR PAPERS

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| • Abstract submission (4 pages) | **June 22nd**, 2015 |
| • Acceptance notification | **Sept. 16th**, 2015 |
| • Full paper for review (10 pages) | **Oct. 15th**, 2015 |
| • Final paper (10 pages) | **Nov. 15th**, 2015 |
| • Conference | **Jan. 27th - 29th**, 2016 |

### CALL FOR EXHIBITIONS

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| • Information and registration | From **March 2nd to Dec. 31st**, 2015 |
| • Select your contact for meetings | **Jan 7th - 20th**, 2016 |
| • Exhibition and B to B meeting | **Jan. 27th - 29th**, 2016 |

—— Join ERTS2 for high quality papers and for high quality audience! ——

## CALL FOR PAPERS

Original, unpublished papers are solicited. Selection will be made based on extended abstracts of 4 pages. The conference encourages submission of research contribution, research - industrial transfer, industrial feedbacks on new technologies, and position papers on major trends.

### Major topics of interest

- **Embedded computing platforms and networked systems:** Distributed architectures, Multi-core/ many core platforms, FPGA, Network embedded systems, Operating systems and executive services, Middleware, Virtualization, Service-oriented platforms, Energy management, Innovative architectures...
- **Processes, methods and tools:** Requirement engineering, Agility, Model-based system engineering, Formal methods, Components and reusability, Languages and compilers, Parallelisation techniques...
- **Dependability:** Safety, Security, Quality of service, Fault tolerance, Maintainability, Diagnostics, Prognostics, Certification...
- **Human System Interactions:** Human Error, Automation Design and Function Allocation, User Centered Design Processes, User Interfaces for Command and Control Systems...
- **Virtual Engineering:** Development, Simulation, Analysis, Optimisation, Decision making ...
- **Internet of Things (IoT):** Smart Devices, Smart grids, Smart buildings, Intelligent transportation systems, Predictable networking infrastructure, ...

——————— Submission guideline on the web site http://**www.erts2016.org** ———————

## CALL FOR EXHIBITIONS

The exhibition is the opportunity for companies to present their latest products; it will be combined with B to B meetings for improved direct relationship between exhibitors and potential contractors represented by R&D directors, technical directors and projects managers from all the industry sectors.
The exhibition and conference areas are situated under the same roof allowing attendees to visit booths during the symposium.

——————— Exhibition contact: **erts2016@advbe.com** ———————

## COMMITTEES

### Programme Committee

**Chair:**  Joseph Sifakis (EPFL)

Coordinators:  Jean-Paul Blanquart (Airbus Defence and Space), Marc Boyer (Onera), Philippe Cuenot (Continental Automotive), Hervé Delseny (Airbus), Claire Pagetti (Onera), Damien Verdier (Continental Automotive)

*Programme Committee members are industrial and academic experts from more than ten countries. The list is available on the website.*

### Organising Committee Chairs

**Chairs:**  Francis Guimera (3AF), Christel Seguin (SEE), Louis Claude Vrignaud (SIA)

*The list of the Organizing Committee members is available on the website*

### Exhibition

**Chair:**  Xavier Sicard (ABE)



**www.erts2016.org**