

ERTS² 2014

EMBEDDED REAL TIME SOFTWARE AND SYSTEMS

5th – 7th February 2014 / TOULOUSE – France



CENTRE DE CONGRES PIERRE BAUDIS 11, esplanade Compans Caffarelli 31000 Toulouse - France



CALL FOR PAPERS AND EXHIBITIONS

<http://www.erts2014.org>

Organisers

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

General Chair

Joseph Sifakis
EPFL and CRI Grenoble

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 centres and industries. The previous editions gathered more than 100 talks, 500 participants and 60 exhibitors.

ERTS² is both:

- a conference featuring 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 multicultural gathering bringing together researchers, practitioners, decision makers and entrepreneurs for knowledge sharing, fruitful interaction 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 the Programme Committee chair of the congress since 2012.

The seventh edition targets all the domains where embedded systems are central including, 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). In 2014, the scope is extended to agriculture.

IMPORTANT DATES

| Call for papers | | Call for exhibitions | |
|---------------------------------|--|------------------------------------|---|
| ➤ Abstract submission (4 pages) | June 24 th , 2013 | ➤ Information and registration | March-Dec 2013 |
| ➤ Acceptance notification | Oct. 3 rd , 2013 | ➤ Select your contact for meetings | Jan 16 th to 31 st , 2014 |
| ➤ Final paper (10 pages) | Dec. 10 th , 2013 | ➤ Exhibition and B to B meeting | Feb. 5 th -7 th , 2014 |
| ➤ Conference | Feb. 5 th -7 th , 2014 | | |

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Original, unpublished papers are solicited.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 is seeking papers on innovative research results, technology transfer success stories, industrial feedback on new technologies, and position papers on major trends.

Major topics of interest

- **Embedded computing platforms and network systems:** Distributed architectures, Multi-core/many core platforms, FPGA, Network embedded systems, Operating systems and executive services, Middleware, Virtualization, Services oriented platforms, Energy management, Innovative architectures...
- **Processes, methods and tools:** Requirement engineering, Model-based system engineering, Formal methods, Components and reusability, Languages and compilers, Parallelisation,...
- **Dependability:** Safety, Security, Quality of service, Fault tolerance, Maintainability, diagnostic, prognostic, Certification...
- **Human System Interactions :** Human Error, Automation Design and Function Allocation, User Centered Design Processes, User Interfaces for Command and Control Systems...
- **Large systems:** Smart grids, smart buildings, Intelligent transportation systems...
- **Societal aspects:** Innovative environments, Business models, Intelligent resource management,

Submission guidelines on the web site <http://www.erts2014.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 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: erts2014@advbe.com

COMMITTEES

| | |
|-----------------------------|--|
| Programme Committee | Chair: Joseph Sifakis (EPFL and CRI Grenoble) <i>Coordinators:</i> Jean-Paul Blanquart (EADS-Astrium), Marc Boyer (Onera), Philippe Cuenot (Continental Automotive), Claire Pagetti (Onera), Marie-Line Valentin (Airbus), Damien Verdier (Continental Automotive) Programme committee members are industrial and academic experts from 11 countries. The list is available on the website. |
| Organising committee | Chairs: Francis Guimera (3AF), Christel Seguin (SEE), Louis-Claude Vignault (SIA) <i>Registration chairs :</i> Valérie Alidor – Alain Brenac (SEE) <i>Local arrangements chair :</i> Alice Torgue (3AF) |
| Exhibition | Chair: Xavier Sicard (ABE) |