

Scientific Sponsors



Artemis Austria
Advanced Research and Technology
for Embedded Intelligence and
Systems



The Host City: Vienna



The venue: Schönbrunn Palace Conference Centre

Vienna, the capital of Austria, located at the Danube, often described as Europe's cultural capital, is a city of unique charm and flair. With about 2 million inhabitants in the area, it's still a metropolis, but not too large. Vienna is attractive to tourists as a romantically imperial city, with a long historical background and many sightseeing opportunities, and as a city of music, art and culture. Vienna is full of life, and according to Mercer's 2009 Quality of Living survey, it ranks now first in worldwide quality of living. It may be less well known that Vienna is a City of Science as well, with many research facilities. Vienna is a "green" city – almost surrounded by the green belt of the Vienna Woods, and with many large parks, like the Prater, Lobau, Danube Island, Schönbrunn Park, Stadtpark and so on. Vienna is easy to reach by public transport (railways, airplanes), and provides a very good hotel infrastructure.

The conference venue is the Schönbrunn Palace Conference Centre in the former Apothecaries Wing on the east side of the imperial palace, just one minute to walk from the Underground Station "Schönbrunn". Nevertheless, contemporary interior design and latest technology are provided for the conference facilities.

Important Dates	
Abstract submission	08 February 2010
Full paper submission	08 March 2010
Tutorial/Workshop proposal submission	06 April 2010
Notification of acceptance	10 May 2010
Camera-ready submission	14 June 2010

SAFECOMP 2010

The 29th International Conference on
Computer Safety, Reliability and Security
14 - 17 September 2010
Vienna, Austria



Call for Papers



<http://www.ocg.at/safecomp2010.html>

<http://www.safecomp.org>

EWICS Chair: Francesca Saglietti (Univ. of Erlangen)		
Conference Chair: Erwin Schoitsch (AIT)		
Local Chair: Gerald Futschek (OCG)		
Organizing Committee (OCG): E. Mühlvenzl, E. Waldbauer, C. Haas		
International Programme Committee		
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		Zurakowski, Z. (PL)

About Safecomp

Since it was established in 1979 by the European Workshop on Industrial Computer Systems, Technical Committee 7 on Reliability, Safety and Security (EWICS TC7), **SAFECOMP** has contributed to the progress of the state-of-the-art in dependable application of computers in safety-related and safety-critical systems.

SAFECOMP is an annual event covering the state-of-the-art, experience and new trends in the areas of safety, security and reliability of critical computer applications.

SAFECOMP provides ample opportunity to exchange insights and experience on emerging methods, approaches and practical solutions. It is a one-stream conference without parallel sessions, allowing easy networking.

More information: www.safecomp.org and www.ewics.org

Safecomp 2010 Key Theme: Critical Embedded Systems Challenges and Risks

After 31 years of SAFECOMP, the emphasis of the 29th event is to take a look at critical embedded systems which are already almost omnipresent, communicating and co-operating, interacting with each other, humans and environment. Their impact on our life, risks and challenges are often not well understood (underestimated or exaggerated). The primary issue is to cope with complexity and new paradigms of failure modes and resource management, due to shrinking feature size, multi-core systems on chip and management of multiple variants while maintaining dependability properties and robustness of systems.

The topic includes purely scientific/technical as well as societal aspects. It concerns (explicitly used or hidden) devices, services, infrastructures, machines, transport systems, robots etc. It also involves raising awareness for rare circumstances under which, because of an unlucky combination of conditions, a normally non-critical system may endanger life, as may be the case when relying too much on past correct operation. Therefore, a holistic view is required. The conference will cover research in all related areas, industrial experience and practice, reports from interesting R&D projects, studies, standardization issues,

assessment, evaluation and certification of systems, tools and utilities. Different application domains as well as generic, cross domain issues may be covered.

Scope of the Conference

Papers are invited in application and industrial sectors as well as research areas. Examples are given below:

Application and Industrial Sectors: aerospace and avionics, automotive, industrial process control, networking & telecommunication, railways, robotics and autonomous systems in general, medical devices and systems, e-health, off-shore technology, ship building, power systems, critical infrastructures, security of safety-critical systems, safety guidelines and standards, education & training.

Especially papers on industrial experience and practice are encouraged !!

Research Areas: safety & security risk assessment, design for dependability, diversity, fault tolerance, verification & validation, testing, qualification and certification, modelling and simulation, human factors, dependability analysis, networked (distributed) embedded systems, safety-critical computer systems, resilient (robust) systems, embedded intelligence, software and hardware for critical systems, methods, techniques and tools.

Paper Submission

Submissions: Contributions are to be submitted in portable document format (pdf) or postscript (ps) via the conference website. They must indicate the name, postal address, e-mail address, phone and fax number of the contact author. Contributions must be written and presented in English; no simultaneous translation will be provided during the conference.

Abstracts: In order to support the reviewing process we strongly encourage the preliminary communication of an abstract of about 200 words providing essential keywords and announcing the intention to submit a full paper.

Full papers: Full papers must not exceed the maximum number of 14 pages and have to be prepared according to the LNCS templates provided by Springer Verlag on the web site

www.springer.de/comp/lncs

Originality: Only papers not published elsewhere may be submitted for publication. The following declaration should be added:

'All necessary clearances for the publication of this paper have been obtained. If it is accepted, the author will prepare the final manuscript in time for inclusion in the conference proceedings and will present the paper at the conference.'

The best presentation will be awarded free attendance to Safecomp 2011.

Conference Proceedings & Journal Special Issue

After acceptance by the International Programme Committee the final paper is required in electronic version according to templates provided by the publisher. Accepted papers will appear in the conference proceedings published by Springer-Verlag in the series *Lecture Notes in Computer Science* (LNCS).

Extensions of the best papers will be considered for publication in a Special Issue of the International Journal on Reliability Engineering and System Safety (RESS) published by Elsevier.

Tutorials and Exhibition

It is planned to have Tuesday, Sept. 14, as a tutorial and workshop day. Tutorial and workshop proposals are welcome and should be submitted to the conference secretariat.

A dedicated space will be available for a Technical Exhibition and a Tool Fair in the communication area where coffee breaks and lunches take place. Organisations wishing to present their products or projects are invited to request further information from the conference secretariat.

Conference Secretariat

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