

About Florence

Florence (Italian: Firenze) is the capital city of Tuscany and the most populous city in Tuscany, with approximately 370,000 inhabitants, expanding to over 1.5 million in the metropolitan area. Florence is famous for its history. A centre of medieval European trade and finance and one of the wealthiest cities of the time, Florence is considered the birthplace of the Renaissance, and has been called the Athens of the Middle Ages. From 1865 to 1871 the city was also the capital of the Kingdom of Italy. The historic centre of Florence attracts millions of tourists each year, and it was declared a World Heritage Site by UNESCO in 1982. Due to Florence's artistic and architectural heritage, it has been ranked by Forbes as one of the most beautiful cities in the world. The city also contains numerous museums and art galleries, such as the Uffizi Gallery and the Pitti Palace, amongst others.



About the Venue

The Military School Giulio Douhet, is placed in the historic building of the former School of the Air War. The School of the Air War is located in the Cascine park close to the Arno river banks in Florence. Founded as a school of aeronautics, today it houses the Military Aviation School Giulio Douhet (high school) and the Institute of Military Aeronautical Sciences (university education). The school was built in 1937-1938 and is the work of Raffaello Fagnoni; it is an example of rationalist architecture well preserved, both in the exterior and interior, with much of the original furniture.

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 computing systems 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.safecomp2014.unifi.it

www.safecomp.org

www.ewics.org

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Call for Papers



SAFECOMP 2014

The 33rd International Conference
on Computer Safety, Reliability and
Security

10-12 September 2014
Firenze, Italy



SAFECOMP 2014 Key Theme

Safety in presence of evolution: design, assessment and certification methods

Modern and future society witnesses a growing pervasiveness of sophisticated computer-based systems, whose influence in daily life is huge. Complexity, heterogeneity, scale and interdependence shown by such systems and the environment where they operate are source of potential vulnerabilities and threats. Another crucial requirement in achieving resilience of computer-based systems is managing the evolution of system configuration or environment during the systems' lifetime. Accounting for all these aspects, which become mandatory when safety-critical domains are involved, results in unprecedented challenges to the design, analysis and validation of such systems.

The 33rd edition of SAFECOMP focuses on the challenges arising from **the need to face evolution aspects in safety-critical systems**. To address such challenges, specialized methodologies, techniques and tools assisting in design, validation and certification activities should be pursued, while simultaneously assuring correctness and timeliness of critical applications. Among the others, system adaptation and reconfiguration supported by sophisticated monitoring and reasoning infrastructures as well as enhanced assessment methods able to account for changes are receiving increasing impulse and interest in current research in resilient systems in general, including safety critical domains.

Topics

The conference covers all aspects related to the development, assessment, operation and maintenance of safety critical systems. Topics include, but are not limited to:

- Fault tolerant architectures and mechanisms
- Monitoring and fault prediction infrastructures
- Risk reduction and mitigation techniques
- Security and privacy protection mechanisms
- Cyber-physical threats and vulnerability analysis
- Model-based and experimental assessment of safety, reliability and security
- Validation and verification methodologies and tools
- Human and social aspects in safety-critical systems design and analysis
- Methods for qualification, assurance and certification
- Safety and security interactions and trade-offs
- Safety and security cases
- Safety guidelines, standards and certification

Domains of application are (but not limited to):

- Railways, automotive, aerospace and avionics
- Telecommunications and networks
- Critical infrastructures, smart grids, SCADA
- Medical devices and healthcare
- Defence, emergency & rescue
- Logistics, production automation and robotics
- Education & training

Workshops, Tutorials and Exhibition

Tutorials and Workshop proposals are solicited; information about submissions are available at the conference website.

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

Paper submission details

SAFECOMP aims at providing a forum for bringing academic research and industrial needs together. Therefore, we solicit two types of papers to be published in the main proceedings of the conference: i) Regular papers (up to 16 pages), ii) Reports on Practical Experience and Tools (up to 12 pages). Submitted papers must not have been previously published nor be currently submitted elsewhere. They will be reviewed by at least three program committee members.

Further opportunities to contribute to the conference are offered to academics and practitioners, junior and senior researchers, by means of Fast abstracts, Work in progress or Student papers (up to 2 pages). Details will be provided at the conference website.

Conference Proceedings & Special Issue

All accepted regular papers, reports on practical experience and tools will be published by Springer in the LNCS series. Also, extended versions of the best papers will be considered for publication in a special issue of a safety related international journal.

Important Dates

Workshop proposal submission: 16 February 2014

Abstract submission (**mandatory**): ~~21 February 2014~~

5 March 2014, 24:00 CET

Full paper submission: ~~28 February 2014~~

10 March 2014, 24:00 CET

Notification of acceptance: 20 May 2014

Camera-ready submission: 20 June 2014

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