

About Florence

Florence (Italian: Firenze) is the capital and the most populous city of Tuscany, with approximately 380,000 inhabitants in the city and over 1 million in the metropolitan area. Florence is famous for its history. A center 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 center of Florence attracts millions of tourists each year and was declared a World Heritage Site by UNESCO in 1982. Due to Florence's artistic and architectural heritage, it is typically ranked 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.



About the Venue

The NH Hotel in Florence is located in the Porta al Prato area, near one of the historical gates of the ancient walls of Florence and facing the Parco delle Cascine, the largest green space in the city. From the hotel, with a twenty-minute walk along the Arno riverbanks, you can reach the main tourist spots of the city, such as the spectacular Florence Cathedral (Duomo di Firenze), the Uffizi art gallery, or the shopping district of San Lorenzo.

The hotel can be easily reached from the main train station and the airport using the tram line, which runs every few minutes.

About SafeComp

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 single-track conference allowing easy networking.

More information:

www.safecomp2024.unifi.it

www.safecomp.org

www.ewics.org

Secretariat SAFECOMP 2024

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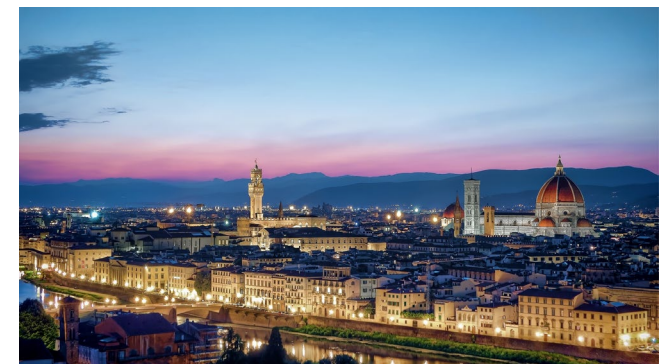
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SAFECOMP 2024

The 43rd International Conference
on Computer Safety, Reliability
and Security

18-20 September 2024
Florence, Italy



SafeComp 2024 Key Theme

Safety in a cyber-physical interconnected world

The seamless and pervasive interaction of the cyber and physical domains is an irrevocable trend, which poses new challenges to the validation of safety and security. In addition to the increasing architectural complexity, the range of human intervention during operation tends to decrease. By its key theme "safety in a cyber-physical interconnected world", SafeComp 2024 aims to raise the focus on the following topics:

- Development and licensing of safety-relevant cyber-physical systems
- Safety of the human-in-the-loop and in socio-technical systems
- Cooperative autonomous system design and evaluation
- Interdependence of safety, security and performance
- Security aspects of safety-relevant applications

Topics

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

- Distributed and real-time monitoring and control
- Fault-tolerant and resilient hardware and software architectures
- Fault detection and recovery mechanisms
- Security and privacy protection mechanisms for safety applications
- Safety guidelines and standards
- Safety/security co-engineering and tradeoffs
- Safety and security qualification, quantification, assurance and certification
- Threats and vulnerability analysis
- Risk assessment in safe and secure systems
- Dependability analysis using simulation and experimental measurement
- Model-based analysis, design, and assessment
- Formal methods for verification, validation, and fault tolerance
- Testing, verification, and validation methodologies and tools
- Multi-concern dependability assurance and standardization

Domains of application are (but not limited to):

- Railways, automotive, space, avionics & process industries
- Highly automated and autonomous systems
- Telecommunication and networks
- Safety-related applications of smart systems and IoT

- Critical infrastructures, smart grids, SCADA
- Medical devices and healthcare
- Surveillance, defense, emergency & rescue
- Logistics, industrial automation, off-shore technology
- Education & training

Workshops at SafeComp

It is planned to have workshops on the day preceding the conference. Workshop proposals should be sent by email to the SafeComp 2024 Workshop Chairs including scope and contents, Programme Committee, and length (half or full day).

Paper Submission Details

The tradition of SafeComp is to act as a platform for bringing academic research and industrial needs together. Therefore, industrial contributions and real-world experience reports are explicitly invited. We solicit two types of paper submission (in both cases, up to 14 pages incl. bibliography):

- Research papers address a research gap and illustrate how the contribution submitted can help improve the state-of-the-art by advancing current knowledge;
- Practical experience reports / tool descriptions provide new insights and valuable support to practitioners.

Papers exceeding the page limit will be excluded from the review process. All papers will be reviewed by at least three members of the International Programme Committee. Papers must not have been previously published or concurrently submitted elsewhere.

All paper submissions must be formatted according to the LNCS templates provided by Springer. Abstracts and papers should be submitted in pdf through EasyChair.

Conference and Workshop Proceedings

All accepted research papers, practical experience reports, and tool descriptions will be published by Springer in the LNCS series (Lecture Notes on Computer Science) in the SafeComp and the SafeComp Workshop volumes.

Important Dates

Workshop proposal submission:	4 February 2024
Abstract submission:	4 February 2024
Full paper submission:	11 February 2024
Notification of acceptance:	21 April 2024
Camera-ready submission:	1 June 2024
Workshops:	17 September 2024
Main Conference:	18-20 September 2024

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