SafeComp 2026 at UPV in Valencia

The 45th edition of SafeComp, to be held in Valencia, Spain, provides a unique occasion to explore and debate the growing challenges of safety-critical computing systems. Safety is more relevant than ever, as adaptive and advanced digital infrastructures are increasingly embedded across all layers of hardware and software, giving rise to complex systems of systems. These computing systems must not only deliver high performance and scalability but also work in a sustainable way, addressing energy efficiency, resource usage, and long-term societal impact.

The 2026 theme is "Engineering safe and sustainable computing systems". Safety engineering must therefore evolve to tackle this dual challenge: guaranteeing safety while ensuring sustainability in computing infrastructures.

Welcome to SafeComp 2026 in Valencia (Spain), hosted by the Universitat Politècnica de València

SafeComp since 1979!

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 to safety-related and safety-critical systems.

SafeComp is an annual international conference covering the state-of-the-art, industrial experiences 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 without parallel sessions, allowing easy networking.

SafeComp partners

SafeComp2026

WELCOME

TO THE 45TH INTERNATIONAL CONFERENCE ON COMPUTER SAFETY, RELIABILITY AND SECURITY

VALENCIA

22-25 SEPTEMBER 2026

Further information

▶ SafeComp2026

https://safecomp2026.webs.upv.es

UNIVERSITAT POLITÈCNICA DE VALÈNCIA

Theme

"ENGINEERING SAFE AND SUSTAINABLE COMPUTING SYSTEMS"

Society increasingly depends on interconnected systems of systems - combining cyber-physical infrastructures, industrial platforms, edge and cloud computing, and AI-enabled services - across domains such as mobility, healthcare, industry and agriculture. These systems not only provide the services that are essential for our lives but also pose unprecedented safety challenges. SafeComp 2026 focuses on engineering approaches to manage safety amid growing complexity, cybersecurity threats and pressing ecological concerns, ensuring that the computing systems remain sustainable and viable in the long term.

Topics of interest

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

- Distributed and real-time monitoring and control
- Fault-tolerant and resilient HW and SW architectures
- Fault detection and recovery mechanisms
- Security and privacy protection mechanisms for safety applications
- Safety guidelines and standards
- Safety/security co-engineering and trade-offs
- 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 standardisation

Application domains

Relevant domains of application are, but are 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

Conference venue

The conference will be hosted at the Universitat Politècnica de València (UPV), one of Spain's leading technical universities, located in the vibrant city of Valencia on the Mediterranean coast. Valencia combines rich cultural heritage with modern infrastructure and is easily accessible by air and high-speed rail.

Important dates

- Abstract and Workshop Proposals …………… February 16, 2026
- Full Paper Submission …………………………… February 27, 2026
- Author Notification ………………………………… April 24, 2026
- Camera-ready Submission ……………………. June 7, 2026
- Workshops day………………………………………… Sept. 22, 2026
- Main Conference days …………………………… Sept. 23–25, 2026

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 2025 Workshop Chairs including scope and contents, Programme Committee, and length (half or full day).

Submission of Conference Papers

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 including 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.

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