About Lisbon

Lisbon is currently considered one of the best touristic cities in Europe. It is the capital city of Portugal and is well known for its medieval castle, the Belém tower, its charming old neighbourhoods of Alfama and Bairro Alto, the breath-taking scenery views, the yellow trams, the Fado music, the sweet Pastéis de Belém, and so many other nice things that you should discover by yourself.

Conference Venue

The conference will take place at the VIP Executive Art's Hotel, in the modern Parque das Nações area. There you will find a large shopping mall, many restaurants for all tastes, bars, museums and the Lisbon oceanarium.

The hotel can be reached from the Lisbon Airport in about 15 minutes by metro. The main train station "Oriente", in walking distance from the hotel, provides train and metro connectivity to wherever you want to go. Lisbon downtown is 25 minutes away by metro. From the Oriente station you can also start your journey to visit the nearby touristic towns of Cascais and Sintra.

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 single-track conference without parallel sessions, allowing easy networking.

More information:
www.safecomp.org
www.ewics.org
safecomp2020.di.fc.ul.pt

SafeComp 2020

The 39th International Conference on Computer **Safety**, **Reliability** and **Security**

15–18 September 2020
Lisbon, Portugal

SafeComp 2020 Key Theme

SafeComp 2020 will feature the following key theme:

Safe AI in critical systems

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:

- Development, verification and assessment of intelligent and autonomous safety-critical systems
- Formal modelling, verification and validation
- Model-driven engineering
- Resilient and fault-tolerant HW and SW architectures
- Fault detection and recovery mechanisms
- Distributed and real-time monitoring and control
- Security and privacy protection mechanisms
- Safety/security co-engineering and risk assessment
- Probabilistic verification and validation
- Testing, verification and validation methods & tools
- Qualification, assurance and certification methods & tools
- Data-driven techniques for engineering dependable syst.
- Cyber-physical threats and vulnerability analysis
- Safety and security guidelines, standards and certification
- Safety and security assurance cases
- DevOps and agile development methods

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

Workshops, Tutorials and Exhibition

It is planned to have one day as a tutorial and workshop day. Tutorial and workshop proposals are welcome. Information about submissions is available at the conference website. A dedicated space will be available for a Technical Exhibition where coffee breaks take place. Organisations wishing to present their products or projects are invited to request further information from the conference secretariat.

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 three types of papers: regular papers (up to 14 pages), practical experience reports and tool papers (up to 8 pages) and position papers (up to 4 pages). Industrial contributions are especially invited. All papers will be reviewed by at least 3 program committee members. Papers must not have been previously published or concurrently submitted elsewhere.

Conference Proceedings

All accepted regular papers, practical experience reports and tool papers will be published by Springer in the LNCS Series.

Important dates	
Workshop proposal submission:	**7 February 2020**
Abstract submission:	**14 February 2020**
Full paper submission:	**24 February 2020**
Notification of acceptance:	**30 April 2020**
Camera-ready submission:	**28 May 2020**
Position paper submission:	**28 May 2020**

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