

PESARO 2025

Forward

The Fifteenth International Conference on Performance, Safety and Robustness in Complex Systems and Applications (PESARO 2025), held between May 18-22, 2025 in Nice, France, continued a series of events dedicated to fundamentals, techniques and experiments to specify, design, and deploy systems and applications under given constraints on performance, safety and robustness.

There is a relation between organizational, design and operational complexity of organization and systems and the degree of robustness and safety under given performance metrics. More complex systems and applications might not be necessarily more profitable, but are less robust. There are trade-offs involved in designing and deploying distributed systems. Some designing technologies have a positive influence on safety and robustness, even operational performance is not optimized. Under constantly changing system infrastructure and user behaviors and needs, there is a challenge in designing complex systems and applications with a required level of performance, safety and robustness.

We welcomed academic, research and industry contributions. The conference had the following tracks:

- Methodologies, techniques and algorithms
- Applications and services

We take here the opportunity to warmly thank all the members of the PESARO 2025 technical program committee, as well as all the reviewers. The creation of such a high quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and effort to contribute to PESARO 2025. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

We also thank the members of the PESARO 2025 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope that PESARO 2025 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the areas related to performance, safety and robustness in complex systems. We also hope that Nice provided a pleasant environment during the conference and everyone saved some time to enjoy the historic charm of the city.

PESARO 2025 Chairs

PESARO Steering Committee

Wolfgang Leister, Norsk Regnesentral (Norwegian Computing Center), Norway

Mohammad Rajabali Nejad, University of Twente, the Netherlands

Rémy Houssin, Université de Strasbourg - ICube Laboratory, France

Yulei Wu, University of Exeter, UK

PESARO Publicity Chairs

José Miguel Jiménez, Universitat Politècnica de Valencia, Spain

Francisco Javier Díaz Blasco, Universitat Politècnica de València, Spain

Ali Ahmad, Universitat Politècnica de València, Spain

Laura Garcia, Universidad Politécnica de Cartagena, Spain
Sandra Viciano Tudela, Universitat Politecnica de Valencia, Spain