

# PESARO 2023

## Forward

The Thirteenth International Conference on Performance, Safety and Robustness in Complex Systems and Applications (PESARO 2023), held between April 24<sup>th</sup> and April 28<sup>th</sup>, 2023, 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 necessarily be more profitable, but are less robust. There are trade-offs involved in designing and deploying distributed systems. Some design 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 take here the opportunity to warmly thank all the members of the PESARO 2023 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 2023. 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 2023 organizing committee for their help in handling the logistics of this event.

We hope that PESARO 2023 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in the areas of performance, safety, and robustness of complex systems and applications.

### **PESARO 2023 Chairs**

#### **PESARO 2023 Steering Committee**

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