

# PESARO 2016

## Forward

The Sixth International Conference on Performance, Safety and Robustness in Complex Systems and Applications (PESARO 2016), held between February 21-25, 2016 in Lisbon, Portugal, 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 tradeoffs 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.

The conference had the following track:

- Performance, Safety and Robustness in Complex Systems and Applications

We take here the opportunity to warmly thank all the members of the PESARO 2016 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 that dedicated much of their time and effort to contribute to PESARO 2016. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

Also, this event could not have been a reality without the support of many individuals, organizations and sponsors. We also gratefully thank the members of the PESARO 2016 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope PESARO 2016 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the field of performance, safety and robustness in complex systems and applications. We also hope that Lisbon, Portugal provided a pleasant environment during the conference and everyone saved some time to enjoy the beauty of the city.

### **PESARO 2016 Advisory Committee**

Piotr Zwierzykowski, Poznan University of Technology, Poland

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

Yulei Wu, University of Exeter, UK

Harold Liu, IBM Research, China