

PESARO 2011

Foreword

The First International Conference on Performance, Safety and Robustness in Complex Systems and Applications [PESARO 2011], held between April 17 and 22 in Budapest, Hungary, inaugurated 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 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 technical papers presenting research and practical results, position papers addressing the pros and cons of specific proposals, such as those being discussed in the standard fora or in industry consortia, survey papers addressing the key problems and solutions on any of the above topics short papers on work in progress, and panel proposals.

We take here the opportunity to warmly thank all the members of PESARO 2011 Technical Program Committee, as well as the numerous reviewers. The creation of such a broad and 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 efforts to contribute to ICSDT 2011. 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 are grateful to the members of the PESARO 2011 organizing committee for their help in handling the logistics and for their work to make this professional meeting a success.

We hope that PESARO 2011 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 in complex systems and applications.

We are convinced that the participants found the event useful and communications very open. We also hope the attendees enjoyed the historic charm of Budapest, Hungary.

PESARO 2011 Chairs:

Miguel Garcia Pineda, Polytechnic University of Valencia, Spain
Juong-Sik Lee, Nokia Research Center - Palo Alto, USA
Chi Harold Liu, IBM Research, China

Liam Murphy, University College Dublin, Ireland

Naoki Wakamiya, University of Osaka, Japan

Piotr Zwierzykowski, Poznan University of Technology, Poland