Message from the Chairs

DS-RT 2012

A warm welcome to the 16th IEEE/ACM International Symposium on Distributed Simulation and Real-Time Applications (DS-RT 2012), held this year in Dublin, Ireland.

DS-RT 2012 serves as a forum for simulationists from academia, industry and research labs, for presenting recent research results in Distributed Simulation and Real Time Applications. DS-RT 2012 targets the growing overlap between large distributed simulations and real time applications, such as such as mirror world simulations and collaborative virtual environments.

We hope we have arranged an exciting program this year. We are delighted that Alexander Verbraeck from Delft University of Technology has accepted our invitation to give a keynote talk and will speak on “Highly Realistic Simulation Models of Complex Systems Towards Star Trek's Holodeck”. We also very happy that D K Arvind from the School of Informatics, University of Edinburgh has accepted our invitation to give a keynote on Distributed Wireless Computation.

This year DS-RT continued to receive a large number of submissions, strengthening its status as a leading symposium in its research area, targeting the growing overlap between large distributed simulations and real time applications. For those interested in the history of DS-RT, the previous events in this series were held as follows:

- DiS-RT ’97, Eliat, Israel, January 9-10, 1997
- DiS-RT ’98, Montreal, Canada, July 19-20, 1998
- DiS-RT ’99, Greenbelt, Maryland, USA, October 22-23, 1999
- DS-RT 2000, San Francisco, California, USA, August 24-26, 2000
- DS-RT 2002, Fort Worth, Texas, USA, October 11-13, 2002
- DS-RT 2005, Montréal, Canada, October 10-12, 2005
- DS-RT 2006, Torremolinos, Malaga, Spain, October 2-4, 2006
- DS-RT 2007, Chania, Crete Island, Greece, October 22-24, 2007
- DS-RT 2009, Singapore, October 25-28, 2009
- DS-RT 2010, Fairfax, VA, USA, October 17-20, 2010
- DS-RT 2011, Salford, UK, September 4-7, 2011

We would like to thank all members of the organizing committee who have contributed in many different ways. We would also like to express our appreciation to all the program committee members and additional reviewers, who provided high quality reviews of the many submissions. Finally, we acknowledge the work of Patrick Kellenberger and the editorial staff at IEEE Computer Society Press in producing these proceedings.
We hope you enjoy the Symposium and have a wonderful time in Dublin!

**DS-RT 2012 General Co-chairs**

Vinny Cahill  
Trinity College, Dublin, Ireland  

Azzedine Boukerche  
University of Ottawa, Canada

**DS-RT 2010 Program Co-chairs**

Georgios Theodoropoulos  
IBM Inc. Dublin, Ireland  

Abdulmotaleb El Saddik  
University of Ottawa, Canada