

SIMUL 2014

Forward

The Sixth International Conference on Advances in System Simulation (SIMUL 2014), held between October 12 - 16, 2014 in Nice, France, continued a series of events focusing on advances in simulation techniques and systems providing new simulation capabilities.

While different simulation events are already scheduled for years, SIMUL 2014 identified specific needs for ontology of models, mechanisms, and methodologies in order to make the selection of an appropriate tool easier. With the advent of Web Services and WEB 3.0 social simulation and human-in simulations, new challenging situations arise along with more classical process simulations and distributed and parallel simulations. The event was also intended as an update on simulation tools considering these new simulation flavors.

The conference had the following tracks:

- Simulation tools and platforms
- Transport simulation
- Simulation models
- Human-in simulation
- Building simulation
- Model-based system prediction
- Practical applications on process simulations
- Simulation methodologies

Similar to the previous edition, this event continued to be very competitive in its selection process and very well perceived by the international community interested in system simulation. As such, it attracted excellent contributions and active participation from all over the world. We were very pleased to receive a large amount of top quality contributions.

We take here the opportunity to warmly thank all the members of the SIMUL 2014 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 that dedicated much of their time and effort to contribute to SIMUL 2014. 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 SIMUL 2014

organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope SIMUL 2014 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in system simulation research. We also hope that Nice, France provided a pleasant environment during the conference and everyone saved some time to enjoy the charm of the city.

SIMUL 2014 Chairs

SIMUL Advisory Chairs

Edward Williams, PMC-Dearborn, USA
Paul Fishwick, University of Florida-Gainesville, USA
Christoph Reinhart, Harvard University - Cambridge, USA
Amr Arisha, College of Business, DIT, Ireland

SIMUL 2014 Research Liaison Chairs

Tae-Eog Lee, KAIST, Korea
Marko Jaakola, VTT Technical Research Centre of Finland, Finland

SIMUL 2014 Industry Liaison Chairs

Diglio A. Simoni, RTI International – RTP, USA
Shengnan Wu, American Airlines, USA
Ann Dunkin, Palo Alto Unified School District, USA
Tejas R. Gandhi, Virtua Health-Marlton, USA

SIMUL 2014 Special Area Chairs

Model-based system prediction

Georgiy Bobashev, RTI International -Research Triangle Park, USA
Aida Omerovic, SINTEF & University of Oslo, Norway

Process simulation

Ian Flood, University of Florida, USA
Gregor Papa, Jozef Stefan Institute - Ljubljana, Slovenia

SIMUL 2014 Publicity Chairs

Nuno Melao, Catholic University of Portugal - Viseu, Portugal