SummerSim'2015
2015 Summer Simulation Multi-Conference
July 26 - 29, 2015 | Chicago, USA
Call For Papers

Motto: 'Complexity and the Role of Modeling and Simulation'

Important Dates:
Abstract submission: December 30, 2014
Special Sessions Proposals (Workshops, tutorials, etc.): January 10, 2015
Paper Submission: February 10, 2015
Notification of acceptance: March 31, 2015
Work in Progress: March 31, 2015
Camera ready: April 12, 2015

Aims and Scope:
The Summer Simulation Conference 2015 (SummerSim'15) is SCS's premier international conference in cooperation with ACM SIGSIM. The conference focuses on modeling and simulation, tools, theory, methodologies and applications and provides a forum for the latest R&D results in academia and industry. This year's focus is on hybrid, discrete and continuous systems, and the role of M&S in addressing complexity. We encourage you to take this opportunity to experience the tutorials, tracks, and workshops that will be available.

Organizing Committee:

- **General Chair**: Saurabh Mittal, Dunip Technologies, LLC, Colorado, USA (smittal@duniptech.com)

- **General Co-Chair**: Floriano De Rango, University of Exeter, UK (derango@deis.unical.it)

- **Awards Chair**: Andreas Tolk, SimIS Inc., Virginia, USA (andreas.tolk@simisinc.com)

- **Program Chair**: José Luis Risco Martín, Universidad Complutense de Madrid, Spain (jlrisco@ucm.es)

- **Proceedings Chair**: Deniz Cetinkaya, University of Turkish Aeronautical Association, Turkey (dcetinkaya@thk.edu.tr)

- **Publicity Chair**: Justyna Zander, HumanoidWay, USA (justyna.zander@gmail.com)

- **Sponsorship Chair:** Umut Durak, German Aerospace Center (DLR), Germany (umut.durak@dlr.de)

- **Tutorial Chair:** José Luis Risco Martín, Universidad Complutense de Madrid, Spain (jlrisco@ucm.es)

- **Poster Session and Student Colloquium Chair:** Miroslav Velev, Aries Design Automation, USA (mvelev@gmail.com)

Steering Committee:

- Prof. Abdolreza Abhari, Ryerson University, Canada (aabhari@scs.ryerson.ca)

- Prof. Francesco Longo, University of Calabria, Italy (f.longo@unical.it)

- Prof. Pere Vila, University of Girona, Spain (pere.vila@udg.edu)

- Pieter J. Mosterman, MathWorks, Inc., USA (Pieter.Mosterman@mathworks.com)

- Justyna Zander, HumanoidWay, USA (justyna.zander@gmail.com)

A selected group of the best papers of SummerSim 2015 will be invited to be published in a Special Issue devoted to SummerSim 2015. At the moment, the committee is looking for appropriate venues of journal publications. All authors are encouraged to submit extended versions of their papers to the Special Issue according to the guidelines found on the webpage. Please see more details at: http://www.scs.org/summersim.

Authors of accepted papers are expected to attend the conference, present their work to their peers, transfer copyright, and pay a conference registration fee at the time their camera-ready paper is submitted. All papers will be included in the conference proceedings and archived in both the SCS digital library and the ACM Digital Library, and will be indexed in DBLP and SCOPUS.

SummerSim'15 includes the following events:

- **International Symposium on Performance Evaluation of Computer and Telecommunication Systems Chairs SPECTS 2015**:
    - Franco Davoli, Univ. of Genoa, Italy
    - Jose Marzo, Univ. of Girona, Spain
- **47th Summer Computer Simulation Conference 2015 Chairs SCSC 2015**:
    - Saurabh Mittal, Dunip Technologies, LLC, Colorado, USA
    - Il Chul Moon, KAIST, Korea

2015 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS 2015)

Organizing Committee

Honorary Chair
- Mohammad S. Obaidat, Monmouth, University, NJ, USA (obaidat@monmouth.edu)

General Chairs:
- Franco Davoli, University of Genoa, Italy (franco.davoli@unige.it)
- Jose Marzo, University of Girona, Spain (joseluis.marzo@udg.edu)

Program Chairs:
- Joel Rodrigues, University of Beira Interior, Portugal (joeljr@ieee.org)
- Malamati Louta, University of Western Macedonia, Greece (louta@uowm.gr)
- Imadeldin Mahgoub, Florida Atlantic University, USA (mahgoubi@fau.edu)

Tutorial and Special Sessions Chair
- Sanjay K. Dhurandhar, University of Delhi, India (dhurandher@rediffmail.com)

Publication Chairs
- Daniel Cascado, Uni. Of Seville, Spain (danic@atc.us.es)
- Jose Saldana, Univ. of Zaragoza, Spain (jsaldana@unizar.es)

Publicity Chairs
- Essia Homouda, Univ. of California, Riverside, USA (essia@cs.ucr.edu)
- Lei Shu, Guangdong Univ. of Petrochemical Technology, Japan (lei.shu@live.ie)

This annual international conference is a scientific forum for professionals and scientists involved in performance evaluation of computer and telecommunication systems. Performance evaluation of computer systems and networks has progressed rapidly in the past decade and has begun to approach maturity. Significant progress has been made in analytic modeling, simulation, and measurement approaches for performance evaluation of computer and telecommunication systems. More details are available at: http://atc.udg.edu/SPECTS2015/

- **Networking and Telecommunication Systems**
  - Internet, Next Generation Networking Technologies and Services
  - Wireless Communications and Networking
- **Computer Systems**
  - Distributed Architecture & Middleware
  - Computer Architectures
  - Software
  - Security and Information Assurance
  - Data Storage
  - Technologies for hard disk drives and optical drives
  - Data storage systems
- **Tools & Methodologies**
  - Parallel and Distributed Simulation
  - Verification and Validation
  - Performance Optimization, Bounds, and Models
  - Queuing Systems and Networks
  - Neural Networks and Fuzzy Logic Applications
  - Scalability Studies
  - Integrated Modeling and Measurement
  - On-Line Performance Adaptation and Tuning
  - Process Algebra Based Models
  - Mathematical Aspects and Integrated Design of Performance
  - Case Studies, Testbed deployments, field trials and experiences

47th Summer Computer Simulation Conference 2015 (SCSC 2015)

Organizing Committee

General Chair
- Saurabh Mittal, Dunip Technologies, LLC, Colorado, USA (smittal@duniptech.com)

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- Floriano De Rango, University of Calabria, Italy (derango@deis.unical.it)

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Come to Chicago, IL, USA for SCSC 2015 to witness the 47th edition of this leading conference in the field of Modeling and Simulation. SCSC 2015 features varied tutorials, tracks and workshops. The conference focuses on modeling and simulation, tools, theory, methodologies and applications, providing the latest R&D results in academia and industry. In parallel with technical presentations, companies and research groups will be exhibiting their most recent products. Further increasing SCSC's application focus, SCSC15 is adding to the conference program a set of with panels, hot topic sessions and invited industrial sessions. This year the program is organized into various tracks. More information is available at: http://duniptech.com/conference/summersim15.

Current tracks include:

- *Agent-Directed Simulation (ADS'15)*
    - **Chairs:** Tuncer Ören and Levent Yilmaz
- *Grand Challenges in Modeling and Simulation (GCMS'15)*
    - **Chairs:** Ali Elkamel, Chandramouli R. Madhuranthakam, Hedia Fgaier
- *Modeling and Simulation for Intelligent, Adaptive and Autonomous Systems (MSIAAS'15)*
    - **Chair:** Saurabh Mittal and Marco Lützenberger
- *Modeling and Simulation for Sustainability (MSS'15)*
    - **Chair:** Björn Johansson
- *Modeling and Simulation for Energy Systems Integration and Smart Grid (MSEnSySG'15)*
    - **Chairs**: Vladimir Koritarov, Saurabh Mittal, Prakash R. Thimmapuram
- *Emergency Management Simulation (EMS '15)*
    - **Chair:** Francesco Longo
- *Computer Graphics for Simulation (CGS'15)*
    - **Chair:** John F. Richardson
- *Simulation in the Design Automation Flow (SEDAF'15)*
    - **Chair**: Alberto A. Del Barrio
- *Modeling and Simulation for Cyber Security and Assessment (MSCSA'15)*
    - **Chair**: Adam Bryant
- *Modeling and Simulation of Environmental Systems (MSES'15)*
    - **Chairs**: Ali Elkamel, Suad-Adwani
- *Modeling, Simulation, and Test for Cyber-Physical Systems (MST4CPS'15)*
    - **Chair:** Miroslav Velev
- *Modeling and Simulation in Medicine (MSM'15)*
    - **Chair:** Jacob Barhak
- Work in Progress Session (WIP'15)
    - **Chair:** Mohammad Raunak

Further, topics relevant to the scope of the conference also include (but are not restricted to) the following:

- Modeling and Simulation for Defense and Security

- Modeling and Simulation for Transportation

- Modeling and Simulation of Complex Social Systems

Tracks or Workshops Proposition:

A call for Symposia or Workshops is open (see important dates), to raise visibility on topics of focused interest in a particular scientific or applications area. Proposals for special Tracks or Workshops should be submitted by e-mail to José Luis Risco Martín (jlrisco@ucm.es)

Paper Formatting Guidelines for the conference are found at the following link: http://www.scs.org/summersim. For paper submission to SCSC please submit your complete papers electronically to: http://www.softconf.com/scs/SCSC15/