THE SOCIETY FOR
MODELING & SIMULATION
INTERNATIONAL™

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Who's online

There are currently *0 users* and *5 guests* online.

Summer Simulation Multi-Conference

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2013 Summer Simulation Multi-Conference (SummerSim'13)
July 7 - 10, 2013 | The Fairmont Royal York | Toronto, ON, Canada

The Summer Simulation Conference 2013 (SummerSim'13) is SCS's premier international conference. 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. Take this opportunity to experience the tutorials, tracks and workshops that will be available.

Register for this Conference

Dinner Cruise Signup

SummerSim 2013 Program Information

Read the SummerSim 2013 Welcome Address by Dr. Imogen R. Coe
Current SummerSim Info

General Chair: **Dr. Abdolreza Abhari**, Ryerson University
Program Chair: **Francesco Longo**, University of Calabria
Program Co-Chair: **Dr. Linda Ann Riley**, Roger Williams University

Call for Papers Important Dates

Special Sessions Proposals (Workshops, tutorials, etc.):	**April 15th, 2013**
Paper Submission:	**April 15th, 2013**
Notification of acceptance:	**April 22nd, 2013**

Publicity Chair: **Dr. Maryam DavoudPour**, Ryerson University
Local Chair: **Dr. Hooman Tahayori**, Ryerson University

All accepted SCSC & GCMS papers may also be published in the ACM Digital Library except where it is noted. acm> In-Cooperation

| | Submission of camera-ready papers: | **See specific Symposium** |
| | Camera ready: | **See specific Symposium** |

Registration Fees

SummerSim 2013			
	Early Registration	**Regular Registration**	**Late/Onsite**
Dates	4/19/2013 to 5/23/2013	5/24/2013 to 7/1/2013	On/After 7/2/2013
Member	$675	$695	$795
Non-Member	$760	$780	$880
Students/Retirees must submit verification forms to get a discount			

Registration Discounts

Participant Forms

Online Registration Instructions
Generic Registration Form
Verification Forms - Student / Retiree
Presentation Guidelines
Presentation Lessons Learned
Paper Formatting Guidelines
Paper Formatting Templates - Word / LaTeX
Copyright Release Form {Submit with Paper}
Author Certification Form {Submit with Paper}
Author Checklist
General Inquiries

- **Summer Computer Simulation Conference (SCSC'13)**

  SCSC Website
  SCSC Call For Papers
  SCSC Submit Paper
  SCSC Preliminary Program {coming soon}

  Come to Toronto, Canada for SCSC 2013 to witness the 45th edition of this leading conference in the field of Modeling and Simulation. SCSC 2013 features varied tutorials, tracks and workshops. The conference focuses on modeling and simulation, tools, theory, methodologies and applications, providing a forum the lates R&D results in academia and industry. In parallel with technical presentations, companies and research groups will be exhibiting their latest products. Further increasing SCSC's application focus, SCSC13 is adding to the conference program a set of with panels, hot topic sessions and invited industrial sessions. **For more information, click here.**

  Topics covered:
  - *Modeling and Simulation of Dynamic Structure Systems*
    Chairs: Fernando Barros, University of Coimbra, Portugal; Gabriel Wainer, Carleton University, Canada
  - *Modeling and Simulation based Design*
    Chair: Hans Vangheluwe, McGill University, Canada and University of Antwerp, Belgium
  - *Agent-Directed Simulation*
    Chairs: Dr. Tuncer I. Ören, University of Ottawa Ottawa, ON, Canada; Dr. Levent Yilmaz, Computer Science and Software Engineering Auburn University, Auburn, AL, USA
  - *Computer Graphics for Simulation*
    Chair: John F. Richardson, SPAWAR Systems Center PACIFIC, San Diego, California
  - *Simulation for Transportation*
    Chair: Gianfranco Fancello, Simulation Team, University of Cagliari, Cagliari, Italy
  - *Emergency Simulation*
    Chair: Francesco Longo, MSC-LES, University of Calabria, Rende, Italy
  - *M&S for Defense & Security*
    Chair: Andreas Tolk, Old Dominium University, Norfolk, VA, USA
  - *Simulation of Complex Social Systems (SiCoSSys 2012)*
    Chair: José I. Santos, Luis R. Izquierdo, José M. Galán, INSISOC – University of Burgos, Spain
  - *Modeling and Simulation of Inventory & Materials Management Systems*
    Chair: Adriano Solis, York University, Canada

- **Grand Challenges in Modeling and Simulation (GCMS'13)**

  Honorary Chair: **Roy Crosbie**, Cal-State Chico
  General Chair: **Hamid Vakilzadian**, University of Nebraska

  MTSA'13 Program Co-Chairs
  Ralph Huntsinger, Cal-State Chico
  Mhamed Itmi, INSA Rouen

  VLCS'13 Program Co-Chair
  Kelly Cooper, ONR
   Associate Program- Co-Chair
  Janel Nixon, Georgia Tech

Conference Venue

The Fairmont Royal York

Book Your Hotel Room Here

Toronto is a city that has grown up around this grand landmark - The Fairmont Royal York. Just steps away from our famous doors in the heart of Canada's largest metropolis is an exciting mix of activities and attractions that will leave you exhilarated. From the theater, entertainment and financial districts, to shopping, sightseeing, and world-class sports facilities, The Fairmont Royal York truly is "at the centre of it all."

Hotel Contact Information
100 Front Street W
Toronto, Ontario, M5J 1E3, Canada
TEL + +416 368 2511
FAX + +416 368 9040
Toll Free: 1 866 540 4489

GCMS Website
GCMS Call For Papers
GCMS Submit Paper
GCMS Preliminary Program {coming soon}

   The 6th International Conference on Grand Challenges in Modeling and Simulation (GCMS'13) is one of the constituent conferences of the 2013 Summer Simulation Multi-Conference (SummerSim'13). Following the success of the earlier conferences in Edinburgh, Istanbul, Ottawa and Genoa the focus of GCMS'13 will continue to be on the major challenges that must be met if the full potential of modeling and simulation is to be realized. Significant progress in M&S methods and applications has accompanied the rapid growth in the power and cost-effectiveness of available computer systems, but many challenges remain. **For more information, click here.**

- **SPECTS 2013**

   General Chair: **Pere Vila**, Univ. of Girona, Spain
   Program Chair: **Isaac Woungang**, Ryerson Univ., Canada
   Program Co-Chair: **Mario Marchese**, Univ. of Genoa, Italy

   SPECTS Website
   SPECTS Call For Papers
   SPECTS Submit Paper
   SPECTS Preliminary Program {coming soon}

   This annual International conference is a forum for professionals involved in the 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.

   All accepted papers will be in the IEEE Xplore. IEEE COMMUNICATIONS SOCIETY

- **Topics of interest include, but are not limited to:**

Networking and Telecommunication Systems
Internet Technology
 Quality of Service (QoS)
 DiffServ/IntServ
 MPLS/GMPLS
 TCP
 World Wide Web (WWW) Technology

Networking Techniques
 Unicast and Multicast Routing
 Congestion Admission and Control
 Switching Techniques
 Tele-traffic
 Network Protocols
 Network Management and Control
 Network Capacity Planning
 Network Architecture Evaluation
 Service and QoS Pricing

Software
 Software Performance, Evaluation, and Testing; Software Reliability Engineering; Formal Methods; Verification and Validation; Parallel Algorithms and Languages.

Electronic Commerce

Hardware and Software Monitors

High Performance computing

Security and Information Assurance
 Security protocols; Anonymity and Privacy; Electronic Voting; Access Control; Digital Rights Management; Intrusion Detection; Trust Management;

Security and Authentication

Broadband Networks
High-Speed Networking
Optical Networks

Wireless Systems and Networks
Satellite Systems
UMTS
Mobile Networks/Computing
Ad-hoc Networks
Sensor and Actuator Networks
3G/4G Networks
Delay Tolerant/Opportunistic Networks
P2P for Mobile Ad Hoc Networks
Service Overlay Networks
Agile-All Photonic Networks

Multimedia Systems, Communications and Applications

Green Networking and Communication Systems
Security and privacy on green information & communication systems
Innovative applications of green communications, networking, and computing

Computer Systems

Distributed Architecture
Client/Server
Distributed Systems and Agents
Parallel and Distributed Computing
Massively Parallel Systems
Cluster Computing/Grid computing
Interconnection Networks
Resource Management & Allocations
Power Saving Architectures and Protocols for Wireless Hotspots

Computer Architectures
Microprocessors/Microcomputers
Memory Systems
High Performance I/O
Real Time Systems/Scheduling Schemes

Security for Mobile Computing; Database Security; Executable Contents; Formal Methods for Security; Cryptography.

Reconfigurable Computing

Soft Computing

Scientific Computing Algorithms

Workload and Traffic Characterization

Green Computing and Computers

Tools, Methodologies, and Applications
Content Delivery

Modeling

Parallel and Distributed Simulation

Verification and Validation

Neural Networks and Fuzzy Logic Applications

Performance Optimization, Bounds, and Models

Queuing Systems and Networks

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

- **Work in Progress Session (WIP13)**

  Chair: **Dr. Linda Riley**, Roger Williams University
  Co-Chair: **Dr. Maryam Davoudpour**, Ryerson University

  We are seeking outstanding submissions for presentation in a work in progress session at the 2013 Summer Simulation Multiconference (SUMMERSIM 2013). These papers should present work that is currently in progress or not quite ready for full-length articles. Student papers are especially welcome as this track provides an excellent forum for graduate students to present and get feedback for thesis, project or dissertation work. All papers will undergo a peer-review process and accepted papers in this track will also be published in the SummerSim'13 conference proceedings. Paper submission is encouraged in any modeling and simulation related areas including but not limited to the below:

  - Computer/Communication Networks with Special Emphasis on Modeling and Simulation
  - Numerical Simulation and Optimization as Applied to Business and Industry

- Use of Modeling and Simulation in the Area of Computer Security
- Modeling and Simulation in the area of Neural Networks
- Modeling and Simulation related to Image/Video Compression/Processing and Robotic Vision
- Any Aspect of Modeling and Simulation related to the Military Modeling, Analysis and Simulation of Telecommunication Systems
- Web-based Modeling and Simulation
- High-performance Computing and Simulation
- Network/Internet Traffic Modeling and Workload Characterization
- Simulation Languages, Tools, and Environments
- Simulation of Parallel Systems, Distributed Systems and Databases
- Simulation of Clusters, Grids and Wireless Systems
- Simulation of Multimedia Applications and Systems
- Modeling and Simulation of Real-Time and Embedded Systems
- Simulation Methodology, Theory and Philosophy
- Parallel and Distributed Simulators and Simulation Techniques
- Application of Modeling and Simulation in Biology
- Discrete Event Modeling and Simulation

Prepare a 4 to 6 page paper using the **Paper Formatting Guidelines** for the conference. All final paper submissions are to be made electronically to SCS via the SCS Conference Proceedings Management System at: **http://www.softconf.com/scs/WIP13/**

A selected group of the best papers in SummerSim will be invited to be published in a Special Issue devoted to SummerSim 2013. All authors are encouraged to submit extended versions of their papers to the Special Issue according to the guidelines found below:

Special Issue Guidelines

Keynote Information

We are honored to announce the following keynote speakers for SummerSim 2013:

- **Azam Khan**
  eScience as Knowledge-building
- **Bahram Nassersharif**
- **Shikharesh Majumdar**
  Cloud Computing: From Enterprises to Cyber-Physical Systems

Workshop Schedule

- **Body of Knowledge Workshop**
  - Time Slot: **July 9, 10:30am-12:00pm** and **July 10, 10:30am-12:00pm**
- **Confidence in Simulations for Science Workshop**
  - Time Slot: **July 10, 3:30pm-5:00pm**

SummerSim Conference Archive

Summer Simulation Multiconference Historical Archive