

2015 Spring Simulation Multi-Conference (SpringSim 2015)

April 12 - 15, 2015 | Alexandria, USA

**** Call For Papers ****



18th Communications and Networking Simulation Symposium (CNS'15)

General Chair:

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Communications and Networks are the nerve system of Information Technology, and a dominating part of our daily lives. *Web 2.0, Big Data, Social Networks, Mobile Devices, Smart Phones, Cloud Computing, and other disruptive technologies* are seeing explosive growth of services to all user domains; public or private, military or government, educational or industry, healthcare or finance, science or entertainment. Quality of Service, Security, Interoperability, speedy access, and many other important requirements need be studied, monitored, and predicted by techniques such as simulation; a proven technology that can save costs, time, and/or lives.

CNS 2015 invites experts, researchers, developers, managers, and entrepreneurs of this dynamic field to publish and share original and unpublished findings with their peers in a forum dedicated to this field. CNS forum is eager to hear your success story and the challenges faced in the pursuit of advancing the focused technology. CNS has a track record of 17 successful years in providing great feedback and dissuasions to the presented topics. CNS'15 will be even a more exciting forum and programs. We welcome you to join us this year.

Accepted papers will appear in the SCS Proceedings and the ACM Digital Library.

Focus Tracks:

- ***Big Data & Social Networks***
- ***Cloud Computing***
- ***Network Security***
- ***Biological Network and Healthcare***
- ***Wireless and Mobile Networks***

We welcome papers describing design principles as well as applications pertinent to the above tracks with emphasis on modeling and simulation. Papers are solicited in the following (but not limited to) areas of interest for peer review and presentation in the conference:

- Big Data & Social Networks (**Track Chair: Dr. Abdolreza Abhari**)
 - Big Data Modeling and Simulation
 - Information Retrieval and Search Engines
 - Data Mining and Knowledge Discovery in Web
 - Social Media related simulation
 - Web 2.0 Simulation
 - Web-Based Simulation and Applications
 - Internet and Mobile QoS Architectures

- Cloud Computing (**Track Chair: Dr. Hala ElAarag**)
 - Cloud Performance
 - Cloud Interoperability
 - Hybrid & Enterprise Cloud Architecture
 - Virtualization & Data Centers
 - Simulation on the Cloud
 - Simulation tools for Cloud Computing
 - Clusters and Grid Computing & Communications
 - Distributed Simulation and Real Time Systems

- Network Security (**Track Chair: Dr. Susan Lincke-Salecker**)
 - Cyberspace Security
 - Network Security
 - Cloud Security
 - Security of Mobile Devices
 - Network Security and Management
 - Network Design and Performance Analysis

- Biological Networks and Healthcare (**Track Chair: Dr. Aftab Ahmad**)
 - Cellular communications and biological computing
 - Wireless Sensor Networks in Healthcare
 - Electronic Healthcare Records
 - Military Healthcare System & Infrastructure
 - Public Healthcare System & Infrastructure

- Wireless Network & Mobile Network (**Track Chair: Ms. Mona Nasser**)
 - Ad Hoc Network
 - Wireless Communications and Networks
 - Mobile application
 - Signaling and Routing protocols
 - Smart Phone Application

- Other Network related simulation (**Track Chair: Dr. Maryam Davoudpour**)
 - Traffic Engineering and Measurements
 - High Level Architecture Simulation and Application
 - Virtual Environments and Virtual Classrooms
 - Peer-to-Peer Communications and Computations
 - Large Scale Networks simulation
 - Simulation Tools for Communications and Networks
 - Modeling Techniques, Verification and Validation

Tutorials, Panels, and Special Sessions:

Proposals are welcome for Tutorials, Panels, and Special Sessions in hot research areas such as security, cloud computing, big data, and electronic health record systems.

Tutorial proposal must follow the general format of the conference, and not need to be original work. It must however address current needs of general audience.

Panel proposal must articulate the topic, the members of the panel, and the moderator. Further, the panel discussion should include a brief leading presentation by the members, as well as encouraging questions by the audience.

Special Session proposal must describe the needs, structure, targeted audience, and any special tool or media they might need.

Technical Program Committee

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- Junaid Zubairi, SUNY at Fredonia, USA

Original papers for CNS 2015 should be submitted via [CNS'15 Paper Submission web-page](#) , official SCS SpringSim'15 Conference Paper Submission. All papers must include the authors' affiliation and e-mail addresses of ALL authors. The e-mail addresses should be related to the authors' institutions and not public portals.

Paper formatting instructions and copyright form are available [here](#). All papers will be fully refereed for accuracy, technical content, and relevance. Papers should be NO longer than 8 single-spaced double-column pages. At least one author must pre-register for the conference, paying the full registration fee, in order to have their paper included in the CD.

Accepted papers will appear in the ACM Digital Library. Contact the Chair with any questions concerning the paper submission and review process, or questions regarding the relevance of a paper to the conference.

Please do not hesitate to contact the Chair with any questions concerning the paper submission and review process, or questions regarding the relevance of a paper to the conference. Further information is available at <http://www.scs.org> and <http://www.scs.org/springsim>

Sponsored by the Society for Modeling and Simulation International (SCS)

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