



Tentative Call for Papers

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Technical Program Committee

will be announced later

SPECTS 2018

2018 International Symposium on Performance Evaluation of Computer and Telecommunication Systems

<http://atc.udg.edu/SPECTS2018/>

July 9-12, 2018, Bordeaux, France

The goal of this annual conference is to provide a forum for researchers to discuss and disseminate the most promising contributions on performance evaluation of computer and telecommunication systems. Papers describing results of theoretic and/or practical significance are solicited. Experimental, modeling, and simulation studies are all in the scope of the conference. Work presenting novel performance evaluation methods or providing insights on design and runtime tradeoffs are particularly encouraged.

Accordingly, the conference will focus on, but will not be limited to, the following subjects of interest:

Networking Technologies and Telecommunication Systems

- Next Generation Networking (Architectures, Technologies, Services)
- Future Internet
- 5G & Beyond (network architectures, design methodologies, enabling technologies)
- Hyperdense networks
- Massive MIMO
- mm Wave communications
- Multiple access techniques, multiplexing techniques, modulation and coding techniques
- Cooperative communications and networking
- Self-organization principles
- Cognitive radio and networking
- Autonomic Networks
- Software Defined Networking
- Network Function Virtualization
- Cloud Radio Access Networks
- Radio over Fiber
- Flexible optical networks
- Optical-Wireless communication and systems
- Visible light communications
- Internet of Things and enabling technologies
- Machine to Machine systems
- Device to Device communications
- Cyber Physical Systems
- Wireless ad-hoc Networks
- Wireless Sensor Networks
- Delay Tolerant Networks
- Opportunistic Networks

- Vehicular ad-hoc networks / connected vehicles
- Nanonetworks
- Satellite and Space communications and networking
- Network design, optimization, management and performance evaluation
- Traffic engineering, network reliability, Quality of Service (QoS)

Computer Systems

- Distributed Systems and Multi Agent Systems
- Parallel and Distributed Computing
- Massive Parallel Systems
- High Performance Computing
- Distributed and Mobile Middleware
- Computer Architectures
- Microprocessors
- Multi-core processors
- Memory systems
- High performance I/O
- Embedded systems
- Software Engineering
- Software Performance, Evaluation and Testing
- Verification and Validation
- Programming Languages
- Parallel Algorithms
- Data Storage Systems
- Data Center Networks
- Fault tolerance, signal processing, and coding techniques

Tools & Methodologies

- Modeling and Analysis
- Performance Optimization, Bounds and Models
- Stochastic Models
- Queuing Systems and Networks
- Neural Networks and Fuzzy Logic Applications
- Integrated Modeling and Measurement
- Mathematical Aspects and Integrated Design of Performance
- Verification and Validation
- On-Line Performance Adaptation and Tuning
- Parallel and Distributed Simulation
- Case studies, Testbed deployments, field trials and experiences
- Scalability Studies

Cross – Technology and Applications

Paper Submission

Please submit your complete papers electronically to: <https://www.softconf.com/sim/SPECTS18/>
Instructions for authors will be posted on the conference website: <http://atc.udg.edu/SPECTS2018/>

Accepted and presented papers will be published in the conference proceedings and submitted to IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

Proposals for 1.5 hour tutorials and invited sessions should be sent to the Tutorials and Invited Sessions Chairs. Tutorial abstracts along with keynote speeches' abstracts will also be included in the proceedings of the conference.

Best Paper Awards

All accepted papers will be evaluated for a best paper award based on originality and technical contribution by an external commission.

SPECTS Steering Committee

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- Jose L. Sevillano, Univ. of Seville, Spain
- Laurence Yang, St. Francis Xavier Univ., Canada

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Deadlines

Invited sessions, tutorial proposals.....	February 20, 2018
Paper submission.....	March 2, 2018
Author notification.....	May 04, 2018
Camera-ready paper submission.....	May 25, 2018