



Call for Papers

Network Science for Complex and Advanced Networks NetSCAN

12 -14 October 2009, Saint Petersburg, Russia

Co-located with ICUMT 2009

Scope of NetSCAN

Network Science has emerged as a self-contained field of study devoted to the modeling and analysis of complex networks in various and diverse application scenarios. Telecommunications, social, biological and economic networks, among others, exhibit common structures and properties that can be uniformly studied. Network Science offers a common analysis platform that allows drawing connections and mappings between different research areas and transferring knowledge, experience and techniques among them.

The objective of this workshop is to present theoretical advances and practical applications in the field of complex and evolving networks with imminent implications for telecommunications networks. The workshop will be highly interested in efficient methodologies, frameworks and approaches inspired by other network disciplines, such as social and biological networks, for solving efficiently problems appearing in telecommunications networks and vice-versa.

This workshop aspires to provide a forum to share experience, propose new ideas and promote discussion and collaboration in the field of Network Science in general and specifically in the subject of evolving complex networks that are closely related to next generation communications networks.

Topics of interest include (but are not limited to)

- Complex/evolving networks
- Interweaved telecommunications-social networks
- Applications of communications networks and social networks
- Topology characterization and inference
- Novel network topologies/architectures
- Resilience and fault-tolerant networks
- Self-organizing networks
- Self-optimized autonomic networks
- Network control
- Trust & privacy establishment in complex/evolving networks
- Bio-inspired networks
- Distributed network computation
- Distributed network optimization
- Simulation and modeling tools for networks
- Performance assessment criteria and methodologies

Workshop Organizers

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Important Dates

- Paper submission deadline: June 22
- Notification of acceptance: July 15
- Camera-ready due: August 15

Paper Submission

Authors are encouraged to submit full papers describing original, complete research, not currently under review by another conference or journal. Accepted papers will appear in the conference proceedings, and published in IEEE Explore. Papers should be submitted electronically via the EDAS system in pdf format, not to exceed 6 pages, and they should follow the IEEE conference format.