

## Workshop Co-Chairs

Michael Devetsikiotis  
NC State University, U.S.A.

George Michailidis  
University of Michigan, U.S.A.

## Organizing Committee

George Kesidis  
Penn State, U.S.A.

Fabrizio Granelli  
DIT, University of Trento, Italy

Do Young Eun  
NC State University, U.S.A.

Evgenia Smirni  
College of William and Mary, VA,  
U.S.A.

Tilman Wolf  
University of Massachusetts at Amherst,  
U.S.A.

Bhuvan Urgaonkar  
Penn State, U.S.A.

Adolfo Rodriguez  
IBM Websphere Technology Institute,  
RTP, USA

Nelson Fonseca  
State University of Campinas, Brazil

Steven Wright  
AT&T Network Architecture, U.S.A.

## Paper Submission

Original papers of total length of up to 5 double-column, IEEE conference-style pages should be submitted for the regular paper category, via EDAS. Also invited are abstracts of white papers and hot topic presentations, as well as proposed topics and participants for the panel discussion.

**Proceedings and journal special issue:**  
Reviewed papers will be included in the conference proceedings in a separate "workshop volume" via IEEE (Xplore). Selected papers will be invited for review in order to be included as in a special issue of the ACM Transactions on Modeling and Computer Simulation.

### Paper Submission:

July 15, 2007

### Notification of acceptance:

August 15, 2007

### Submission of camera-ready papers:

September 1, 2007

For further information, see the on-line CFP, visit EDAS or contact the co-chairs at [mdevets@ncsu.edu](mailto:mdevets@ncsu.edu)

# 1<sup>st</sup> IEEE Workshop on "Enabling the Future Service-Oriented Internet"

Held in conjunction with IEEE Globecom 2007  
Washington, DC, USA, Nov. 26, 2007 (<http://www.ieee-globecom.org/2007/>)



Technically Endorsed by:

ComSoc Technical Committee on Comm. Systems Integration and Modeling



## Call for Papers & Participation

The purpose of the workshop is to provide a forum for discussion and exchange of ideas concerning service-oriented networks and computing, an important emerging paradigm for future Internet design. Service- and application-oriented networks represent an area of convergence between communications and computing, based on modular, distributed and re-configurable capabilities, and blending network and service functions in a way that emphasizes end-user and business functionality.

The objective of the workshop is to address network-level as well as application and service-layer topics of analysis, design, monitoring and experimentation. The top-down interplay between services and networking creates unique modeling, design and implementation challenges. The goal of the workshop is to focus the community's efforts in building up this important area by discussing perspective issues and required breakthroughs in research and development

The workshop format will be a combination of original papers, review/white papers, quick "hot topic" presentations, and a panel discussion with participants from industry, the NSF, and academia. This will allow workshop participants to obtain a global perspective of the scope of this area and of the technical challenges associated with it, in a participative and interactive manner.

Prospective participants are invited to contribute to the following topics of the workshop:

- Architecture for future service-centric networks
- Scalability of future service-centric networks
- Overlay, peer-to-peer and content delivery services
- Network appliances and service intermediaries
- Protocols and signaling, e.g. SIP and IMS
- Design and implementations for ubiquitous services
- Reliability and availability of future service-oriented Internet
- Management of services and service-oriented networks
- Mapping to business functions and Enterprise Service Buses
- Cognitive networks and services
- Service-oriented routing and forwarding
- Optimization and cross-layer design
- Measurements and Quality-of-Experience monitoring
- Service-oriented network experimental trials, tools and test-beds
- Analytic and simulation components of service-oriented networks and systems
- Economics, pricing and charging of emerging services
- Distributed/market-based and game-based control of service-centric networks
- Workload characterization and distribution fitting
- Scheduling in multi-tiered service environments

The event is technically endorsed by the IEEE ComSoc Technical Committee on Communications Systems Integration and Modeling (TC-CSIM) and by IBM.

[http://www4.ncsu.edu/~mdevets/efsoi\\_workshop\\_07.htm](http://www4.ncsu.edu/~mdevets/efsoi_workshop_07.htm)