

# Call for papers

## Optical and Grid Computing Symposium, ICNC 2015

Anaheim, CA, USA, Feb. 16-19, 2015

<http://www.conf-icnc.org/2015>

### Symposium Co-chairs

#### Zuqing Zhu

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### Scope

The Optical and Grid Computing Symposium will focus on state-of-the-art research topics related to all aspects of optical communications, networking, experiments, demonstrations, field trials, and applications in support of grid/cloud computing. To ensure complete coverage of the advances in optical communication and networking related technologies, the Optical and Grid Computing Symposium presents original contributions in, but not limited to, the following topical areas:

- Optical network architectures
- Transparent/Translucent optical networks
- Elastic/flexible-grid optical networks
- Multi-layer optical networks
- Multi-domain optical networks
- Optical access networks
- Convergence of optical and wireless access networks
- Optical networks to support cloud computing
- Optical networks to support grid computing
- Storage networks
- Optical network design and reconfiguration
- Optical network control and management
- Routing and spectrum assignment
- Protection and restoration
- Traffic grooming and traffic engineering in optical networks
- Impact of the physical-layer impairments on optical network design and traffic engineering
- Optical network virtualization
- IP-WDM integration
- Multicasting in optical networks
- Optical network security
- Optical switching technologies, devices, and architectures
- Multi-granularity switching
- Optical packet switching

- Optical burst switching
- Field trials, new applications and experiments
- Energy-efficient/green optical networks and systems
- Techno-economic analysis
- SLA and QoS assurance in optical/grid networks
- Software-defined optical networks for grid computing
- Grid, Parallel, Distributed and GPGPU Computing

## **Submission Guidelines**

Please follow the author instructions at <http://www.conf-icnc.org/2015/author.htm>

Direct paper submission weblink of this symposium can be found at <http://www.conf-icnc.org/2015/cfp.htm>

## **Short biographies of co-chairs**

### **Zuqing Zhu**

Zuqing Zhu received the PhD degree from the Department of Electrical and Computer Engineering, University of California, Davis, in 2007. From Jul. 2007 to Jan. 2011, he worked in the Service Provider Technology Group of Cisco Systems, San Jose, as a senior R&D engineer. In Jan. 2011, Dr. Zhu joined the University of Science and Technology of China (USTC), where he currently is an Associate Professor. He has published more than 100 papers on the peer-reviewed journals and conferences of IEEE, IEE and OSA. He has been in the technical program committees (TPC) of INFOCOM, ICC, GLOBECOM, ICCCN and etc. Dr. Zhu was a guest editor of IEEE Network special issue on “Optical Networks in Cloud Computing”. He is also an editorial board member of Elsevier Journal of Optical Switching and Networking (OSN), Springer Telecommunication Systems Journal (TSMJ), Wiley European Transactions on Emerging Telecommunications Technologies (ETT), and etc. Dr. Zhu received the Best Paper Awards from ICC 2013, GLOBECOM 2013 and ICNC 2014. He is a Senior Member of IEEE and a Senior Member of OSA.

### **Ting Wang**

TING WANG serves as department head of Optical Networking at NEC Laboratories America Inc., where he is responsible for advanced R&D of next generation optical communication and networking for the access, metro and long-haul transport infrastructure.

### **Suresh S. Muknahallipatna**

Suresh Muknahallipatna received the PhD degree from the Department of Electrical and Computer Engineering, University of Wyoming, in 1995. From 1995 to 1997, he worked as a Post-Doc at the University of Wyoming. In 1997, he joined the University of Wyoming as Assistant Professor, where he is currently a Professor. His current research interests are in storage area networks, mobile Adhoc networks, high-performance computing using graphical processing units and neural networks. He has published more than 50 manuscripts in the peer-reviewed journals and conferences. He has been in the technical program committees (TPC) of IEEE Local Computer Network (LCN), IEEE Symposium on Wireless Technology & Applications, World Congress on Computer Science and Information Engineering (CSIE 2009) and reviewer for numerous journals in the area of computer networks and high-performance computing. He is also the recipient of Microsoft Most Valuable Professional award for research in .NET technology. He is a senior member of the IEEE computer society.