

Call for papers

Optical and Grid Computing Symposium, ICNC 2014

Honolulu, HI, USA, Feb. 3-6, 2014

<http://www.conf-icnc.org/2014>

Symposium Co-chairs

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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 a complete coverage of the advances in optical communication and networking related technologies, the Optical and Grid Computing Symposium aims at presenting original contributions in, but not limited to the following topical areas:

- Optical network architectures
- Transparent and Translucent optical networks
- Elastic/flexible-grid optical networks
- Multi-layer and Multi-domain optical networks
- Optical access networks
- Convergence of optical and wireless access networks
- Optical networks to support cloud and 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 and 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

Submission Guidelines

Please follow the author instructions at <http://www.conf-icnc.org/2014/author.htm>

Direct paper submission weblink of this symposium can be found at <http://www.conf-icnc.org/2014/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 80 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. He is a Senior Member of IEEE and a member of OSA.

Paolo Monti

Paolo Monti holds a Ph.D. in Electrical Engineering (2005) from the University of Texas at Dallas (UTD). After a period as a Research Associate of the Open Networking Advance Research (OpNeAR) Lab at UTD, he joined the Royal Institute of Technology (KTH) in September 2008 where he is currently an Assistant Professor in the School of Information and Communication Technology (ICT-COS) and the deputy director of the Optical Networks Laboratory (ONLab). He co-authored more than sixty papers published in international journals and presented in leading international conferences. Dr. Monti served as Guest Editor for the Journal of High Speed Networks and he is currently serving on the editorial board of the Springer Networking and Electronic Commerce Journal. He regularly serves in the technical program committee of IEEE and OSA conferences including GLOBECOM, ONMD, ACP, and ICC. His research interests include: network planning, protocol design, performance evaluation, energy efficiency, and optimization techniques for both optical and wireless networks. Dr. Monti is a member of the IEEE Communication Society.

Ming Xia

Dr. Ming Xia is a Research Scientist at Ericsson Research Silicon Valley, United States. Prior to this position, he was an Expert Researcher at the National Institute of Information and Communications Technology, Japan. He serves as editor for the Elsevier Journal of Telecommunication Systems, and guest editor of Elsevier Journal of Computers & Electrical Engineering. He is frequently on Technical Program Committees of various IEEE conferences including INFOCOM, ICC, and GLOBECOM. He is co-winner of the Best Paper Award at the IEEE ANTS'2010 conference. His research interests include packet/optical networks, network design and optimization, and energy-efficient networking. Ming Xia received his Ph.D. degree in computer science from the University of California, Davis in 2009.