Call for papers
Optical and Grid Computing Symposium
Santa Clara, California, USA, Jan. 26-29, 2017
http://www.conf-icnc.org/2017

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 networks
- Optical inter and intra-datacenter networks
- Optical networks to support cloud and grid computing
- Optical network design and reconfiguration
- Optical network control and management
- Software defined optical networks
- Optical network virtualization
- Network functions virtualization on optical networks
- 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
- IP-WDM integration
- Multicasting in optical networks
- Optical network security
- Optical switching technologies, devices, and architectures

- Multi-granularity switching
- Field trials, new applications and experiments
- Energy-efficient/green optical networks and systems
- Techno-economic analysis

Important Dates:

- Paper submission: July 5, 2016
- Paper Acceptance: Sept. 20, 2016
- Camera-ready paper: Oct. 20, 2016

Submission Guidelines

Please follow the author instructions at http://www.conf-icnc.org/2017/
Direct paper submission web link can be found at https://edas.info/N22339

Short biographies of co-chairs

Paolo Monti
Paolo Monti received a Ph.D. (2005) from The University of Texas at Dallas (UTD). He is an Associate Professor at KTH Royal Institute of Technology in Sweden and the deputy director of the Optical Networks Laboratory (ONLab). He co-authored more than hundred technical publications in international journals and in leading international conferences. Dr. Monti serves on two editorial boards: the Springer "*Photonic Network Communications*" journal, and the "*IEEE JSAC Green Series*". He was also a Guest Editor of a number of specials issues on energy efficiency in communication networks and on optical network design and modeling. He regularly participates in several TPCs including IEEE Globecom and ICC. He also co-Chaired, among others, one workshop on network survivability (ICC 2012) and three workshops on green broadband access (at ICC 2013, Globecom 2014, and ICC 2015). Dr. Monti was the TPC chair of IEEE ONDM 2014 and served as a TPC co-chair for the Symposium on Optical and Grid Computing at IEEE ICNC 2014, 2016, and 2017. His main research interests are within the networking aspects of all-optical networks (i.e., covering both data and control plane), with a particular focus on energy efficiency. Recently he started working on optical transport solutions for 5G networks. Dr. Monti is a Senior Member of the IEEE.

Hiroshi Hasegawa
Hiroshi Hasegawa received a Ph.D. from Tokyo Institute of Technology in 2000, where he was an assistant professor from 2000 to 2005. From 2005, he is an associate professor of Nagoya University. He has authored/co-authored more than 200 research publications in international journals and conferences such as ECOC and OFC. He is regularly contributing to several conferences including ICC, OECC, ONDM, etc. as TPCs or committee members. His main research interest includes photonic network architecture including design and control issues, optical node architecture, optical devices. Dr. Hasegawa is a senior member of IEICE and a member of IEEE.

Burak Kantarci
Burak Kantarci is an Assistant Professor with the Department of Electrical and Computer Engineering, Clarkson University in Potsdam, New York, and the Founding Director of the Next-Generation Communications and Computing Networks (NEXTCON) Research Lab. Prior to joining Clarkson, he was a Post- Doctoral Researcher with the School of Electrical Engineering and Computer Science, University of Ottawa (UOttawa) (2009-2014). He received the M.Sc. and Ph.D. degrees in computer engineering from Istanbul Technical University, in 2005 and 2009, respectively. During his Ph.D. study, he studied as a Visiting Scholar at UOttawa (2007-2008), where he completed the major content of his thesis. He has co-authored over one hundred papers in established journals and conferences, and contributed to 11 book chapters. He is a senior member of the IEEE, and member of ACM. He received the Siemens Excellence Award for his studies in optical burst switching in 2005. He is the Co-Editor of the book entitled Communication Infrastructures for Cloud Computing. He has served as the Technical Program Co-Chair of seven international conferences/symposia/workshops. He is an Editor of the IEEE Communications Surveys and Tutorials. He also serves as the Secretary of the IEEE ComSoc Communication Systems Integration and Modelling Technical Committee.