



# CALL FOR PAPERS

## GOSP 2008

### Third International Workshop on Guaranteed Optical Service Provisioning

(Co-located with BROADNETS 2008, September 8-11, London, UK)  
(Sponsored by ICST, Technically Sponsored by Create-Net and IEEE Communications Society)



Recent technological advances in *wavelength division multiplexing* (WDM) component technologies have led to profound transformations at the networking layer, ushering in revamped, highly-scalable “on-demand” bandwidth provisioning paradigms. Guaranteed service provisioning is an important and a challenging problem in core, metro, and access networks. The types of applications being deployed across the public Internet today are increasingly mission-critical, whereby business success can be jeopardized by poor performance of the network. It does not matter how attractive and potentially lucrative these applications are if the network does not function reliably and consistently. Satisfying customer demands is of utmost importance for the service providers. Different applications/customers may need different levels of service guarantees in terms quality of service (QoS) parameters such as bandwidth, fault tolerance, recovery time, reliability, availability, response time, packet/burst loss, BER, etc. In such scenarios optical networks will not be much promising unless they can guarantee a predictable performance as specified by the QoS parameters. Thus guaranteed optical services become a vital tool to ensure that several kinds of applications can coexist and function at acceptable levels of performance.

The workshop aims to figure out the QoS parameters that are of importance in optical networking scenario and mechanisms to meet the requirements specified by these parameters. The important QoS parameters include bandwidth, fault-tolerance, availability, reliability, recovery time, packet/burst loss, and response time. The workshop solicits high-quality papers related to guaranteed services in a wide range of optical networking technologies — optical circuit switching, optical burst switching, optical packet switching, access networks, etc. Papers must be original and neither previously published nor under review by another conference or journal. The key topics of interest include, but are not limited to:

- Bandwidth guaranteed services in optical metro, access, and core networks
- Quality of protection and restoration in optical metro, access, and core networks
- QoS based on physical layer constraints and issues in cross-layer design
- Absolute, adaptive/elastic, and relative QoS guarantees
- QoS-driven routing and signaling protocols
- Traffic engineering based QoS at optical and client layers
- Architectural and design issues of optical switches and routers due to service guarantees
- Performance evaluation and experiences with QoS-aware optical networks
- QoS in optical burst and packet switching networks
- Resource allocation and scheduling for guaranteed services in optical grid networks
- Guaranteed services in optical Ethernet networks
- Multi-service and trusted/secured optical networks

#### Important Dates

- Paper Submission **May 31, 2008**
- Acceptance Notification **June 27, 2008**
- Workshop Date **September 8, 2008**

#### Submission Instructions

Authors are invited to submit original, unpublished, full papers of up to 8 pages in two-column, no less than 10pt font, IEEE conference proceedings format, including references, figures and tables. Papers must be submitted electronically in PDF format through [EasyChair](http://www.easychair.org/conferences?conf=gosp2008) web site (<http://www.easychair.org/conferences?conf=gosp2008>). For details, please refer to the “submission guidelines” at the GOSP 2008 web site (<http://www.wgosp.org>).

#### Workshop Chairs

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