

# International Workshop on Optical Burst/Package Switching Networks (WOBS)

## Motivation and rationale for the workshop

Optical burst/package switching (OBS/OPS) has been introduced to combine the advantages of both packet and circuit switching and is considered a promising technology for the next generation optical Internet. OBS was initially built upon one-way signaling schemes to diminish the delay associated with the round trip time. The success of OBS technology relies on its small control overhead for a large amount of payload data. Within this context, this workshop seeks to showcase the latest developments in OBS as for example in multi-cost burst scheduling, QoS burst routing, hybrid OBS switch architectures and OBS-GRIDS experimental test-beds

Since first being held in 2003, the Workshop on Optical Burst/Package Switching (WOBS) has served as a premier forum for researchers from academia, industry and government to meet, exchange ideas, and discuss the technical and commercial challenges associated with burst-switched and packet-switched optical networks. Note that the OBS workshop is the specific OBS/OPS track in the **BROADNETS 2008** conference and OBS/OPS papers should be submitted to the workshop.

This workshop solicits original papers related to all aspects of optical burst switching and optical packet switching including but not limited to the following topics:

- OBS/OPS core and edge node architectures
- OCS/OBS grid architectures
- Signaling and control in OBS/OPS networks
- Burst/Package scheduling algorithms
- Contention resolution/avoidance strategies
- QoS and Impairment constrain based burst routing
- QoS-aware burst aggregation algorithms and ingress traffic shaping
- Application-aware OBS/OPS networking (e.g., grid networks)
- Quality of service guarantees in OBS/OPS
- OBS/OPS performance evaluation & modeling
- OBS/OPS experimental test-bed and related transmission experiments
- Cross Layer OBS/OPS optimization
- Hybrid OBS/TDM or OBS/wavelength routing
- Novel OBS/OPS network architectures
- TCP over OBS
- Traffic models for OBS nodes
- Active Optical Burst Switched Network
- Multicast / anycast routing in OBS

## Important Dates

- On-line registration: May 2, 2008
- Full manuscript due: May 16, 2008
- Acceptance notification: July 4, 2008
- Publication-ready manuscript due: July 18, 2008

## Publication of Proceedings

- Workshop papers will be published in the BROADNETS proceedings (available through IEEE Xplore).

## Website

- Please visit the OBS/OPS workshop website for updated information ([www.obsmeeting.org](http://www.obsmeeting.org)) and submission instructions.