IEEE GLOBECOM 2004

Symposium on Optical Communications, Networks and Systems at the Hyatt Regency Dallas at Reunion Hotel, Dallas Texas November 29 through December 3, 2004,

Sponsoring IEEE Technical Committees:
Communications Switching and Routing
Transmissions, Access, and Optical Systems
Computer Communications, Optical Networking

In the last few years, various innovations in optical devices and material technology have brought down the cost of optics to an acceptable level and made data multiplexing and switching solutions - based on dense wavelength division multiplexing (DWDM) – technically and commercially viable in the transport network. Rapidly, with the ever growing demand for bandwidth, optical network solutions have secured their key role in the core of the Internet. Other network areas, e.g., MAN's and LAN's, are expected to greatly benefit from these innovations, shortly. The Symposium on Optical Communications, Networks and Systems is going to focus on major recent advancements in optical networking which include switching and routing, QoS requirements of optical switch architectures and networks, optical network management, LAMBDA-MPLS, signaling, traffic modeling and control, traffic and capacity management functions, etc. The Symposium intends to provide a timely forum for sharing and discussing exploratory research and practical contributions from all around the world in the growing field of optical networking. The objective of this event is to foster the exchange of information among researchers in this fast-advancing field. The program will include presentations by distinguished researchers on recent advances from both theoretical and practical viewpoints. The Symposium also intends to bring together various optical network system developers to discuss the current status, technical challenges, emerging standards, fundamental unresolved issues, and future services and applications that are anticipated to become viable. Interaction among participants will take place in the form of Workshops, Panels, Technical Sessions and Tutorials.

Areas of interest include, but are not limited to, the following 5 key areas

- Optical Components and Devices,
- Optical Communication Systems,
- Cost-Effective Optical Network Solutions,
- Optical Network Survivability and Fault Management,
- Quality of Service and Scheduling in Optical Networks.

Topics of interest include, but are not limited to

- Routing and Wavelength Assignment,
- Optical Switching,
- Optical Access Networks,
- Lambda-MPLS,
- IP over WDM,
- Optical Ethernet,
- Wavelength Conversion,
- Optical Add-Drop Multiplexers,
- SONET/SDH Networks,
- Metropolitan & Local Area Optical Networks,
- Packet/Circuit/Burst Switching,
- MAC Protocols for WDM Networks,
- Traffic Grooming,
- CDMA in Optical Networks,
- Optical Virtual Private Networks,
- Network Control and Management,
- Network Design and Reconfiguration,
- Broadcasting and Multicasting,
- Performance Models and Evaluation,
- Applications Requiring Optical Networks,
- Test-beds and Experimental Results.

Technical papers, proposals for Panels, Workshops and Tutorials in the above areas are encouraged, and must be submitted to Globecom2004, following the general submission procedures and instructions that are available at www.globecom2004.org.

For additional information, you may contact the Symposium Co-chairs.

Symposium Co-chairs

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