2nd ICTON - Mediterranean Winter 2008

December 11-13th, 2008, Marrakech, Morocco

ICTON-MW'08 is the winter event to the International Conference on Transparent Optical Networks (ICTON) intended to provide an international forum of discussion and promotion of research advances in transparent and all-optical technologies in broadband telecommunication networks, systems, and components in Mediterranean region.

ICTON-MW'08 is receiving technical co-sponsorship by the IEEE Lasers and Electro-Optics Society.

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Call for Papers

Workshop on Resilience in Transparent Optical Networks (RTON)

A crucial feature of any communication network is its survivability which refers to the ability to withstand component failures and to continue providing services in disruption conditions. Providing resilience against failures is therefore an important requirement for many high-speed networks. As these networks carry more and more data, the amount of disruption caused by a network fault or attack becomes more and more significant.

All-Optical Networks (AONs) are a relatively new technology for very high data rate communications, flexible switching and broadband application support. More specifically, they provide transparency features allowing routing and switching of data without interpretation or regression of signals within the network. AONs contain only transparent optical components and therefore differ to a large extent from optical networks currently used. In particular, the peculiar behavior of all-optical components and architectures bring forth a new set of challenges for network security. As a result, these emerging networks have particularly unique features and requirements in terms of security and quality of service (QoS) thus requiring a much more targeted approach in terms of network management.

While some of available control and management methods are applicable to different types of network architectures, many of them are not adequate for AONs. Despite new management methods having been proposed, no robust standards or techniques exist to date for guaranteeing the QoS in AONs. Therefore, the need for expert diagnostic techniques and more sophisticated management mechanisms that assist managing and assessing the proper function of AON components is highly desirable. Topics of Interest include, but are not limited to:

- Optical network survivability & reliability
- Protection and restoration techniques
- Security issues in transparent optical networks
- Performance monitoring in transparent optical networks
- Control and management issues in transparent optical networks

Authors are cordially invited to submit the contributions (in electronic form, MS Word accompanied by a PDF version) for Regular and Poster Sessions to **icton-mw@iaer.eu** by **September 30th, 2008**. More information can be found on the ICTON-MW'08 website: **www.iaer.eu/icton-mw08**.

The authors will be notified on the acceptance by **October 31th, 2008**. Post-deadline papers with recent results are requested by **November 15th, 2008**. Accepted papers will be published in the conference proceeding.

IEEE Copyright Transfer Form is requested for ICTON-MW submissions exceeding one page.

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