



Uirtus International Conference, Edition 2022 Niamey, Niger



Uirtus IC Edition 2022 December 5-7th, 2022, Niamey, Niger



Under the auspice of the Minister of Higher Education, Research and Innovation of Niger, Mamoudou DJIBO, PhD, the Uirtus International Conference, UIC Edition 2022, is intended to provide an international forum of discussion and promotion of research advances in African and Mediterranean countries. It includes, but not limited to Sustainable Development and International Technology Transfer in these countries.

UIC 2022 is receiving technical co-sponsorship by the IEEE Lasers and Electro-Optics Society.



WORKSHOP CHAIRS

Prof Richard LI-HUA

SCIENTIFIC COMMITTEE

Ridha REJEB, PhD

Call for Papers

Symposium on Optical Components for Telecommunications Systems (OCTS)

The tremendous growth of the Internet, the large increase in traffic demands and the relentless demand for network capacity have produced a need for new flexible types of services. To deliver these, optical communication systems have been deployed in many areas such as long-haul telecommunications, interoffice communications, computer links and undersea systems.

Transparent optical networks are emerging as a promising technology for very high data-rate communications, flexible switching and broadband application support. In particular, they provide transparency capabilities allowing routing and switching of traffic without regeneration of signals within the network.

This emerging new generation of optical networks is characterized by Multi-gigabit data rates, low bit-error rates and optical transparency over long distances. Over the next few years optical technology is expected to become the platform of choice for providing services that have, until today, been supported by telecommunication voice and data network providers. This workshop intends to attract contributions that report advances in:

Optical Devices including:

- Optical fibers, fiber devices, amplifiers
- Advances in optoelectronic materials and devices
- Integrated optics, nonlinear optics
- Emerging areas: photonic crystals, bio-photonics, quantum computing.

Optical Switching including:

- Modeling and performance of switched networks
- Advanced components for switching applications
- Optical processing: wavelength conversion, regeneration
- Optical decoding, synchronization, label swapping
- Optical packet/burst switching networks and Control for OPS/OBS 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 uic@iaer.tn by **September 30th, 2022**. More information can be found on the UIC Edition 2022 website: www.iaer.tn/uic/uic-2022.

The authors will be notified on the acceptance by **October 30th, 2022**. Post-deadline papers with recent results are requested by **November 15th, 2022**. Accepted papers will be published in the conference proceeding.

References

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