

**SPECIAL SESSION  
ON  
OPTICS AND PHOTONICS IN COMMUNICATION AND IOT  
AT  
9<sup>TH</sup> WORLD CONGRESS ON INFORMATION AND COMMUNICATION  
TECHNOLOGIES (WICT 2019) IN INDIA, GIET UNIVERSITY, ODISHA, INDIA  
DECEMBER 16-18, 2019  
<http://www.mirlabs.net/wict19/>**

### *Objectives and Scope*

The scope of the special section is focused on the applications of transparent and all-optical and photonics technologies in telecommunications, computing, sensing, IoT, and novel applications. Conference topics include, but are not limited to, the following:

- Molecular Photonics
- Nonlinear Optics
- Nanophotonics
- Digital all-optical networks
- Ultra-dense wavelength-division multiplexing
- Ultra-fast optical time domain multiplexing
- Next-generation networking
- Optical switching and routing
- Optical packet networks and services
- Optical memories and data storage
- Optical transparency and network scalability
- Network reliability and availability
- Wireless and optical networking
- Free-space optical communications
- Radio-over-fiber transmission
- Broadband metro and access networks
- Market in telecommunications
- Microwave photonics
- Photonic band-gap structures
- Photonic crystal fibers
- Nonlinear and active PBG devices
- Nanoscale and ultrafast photonics
- Quantum communications
- VCSELs and other novel light sources
- Fiber lasers
- Micro-resonators and photonic molecules
- Novel glasses and photonic materials
- New transmission windows
- Polarization mode dispersion
- Photonic component integration
- Network planning and design tools
- Big data analytics and network optimization
- Non-conventional optical communications

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- Sub-wavelength photonic devices
- Communication in transportation systems
- Optical microscopy and nanoscopy techniques and applications
- Optical inspection of transparent samples: quantitative phase imaging
- 3D optical imaging and display
- Polarization-resolved optical microscopy
- Image processing
- Satellite communications
- Other relevant topics

### *Paper Publications*

All accepted and registered papers will be published in AISC Series of Springer, indexed in ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springer link.

### *Important Dates*

**Paper submission due:** September 01, 2019

**Notification of paper acceptance:** October 15, 2019

**Registration and Final manuscript due:** October 30, 2019

**Conference:** December 16 - 18, 2019.

### *Special Session Chairs*

**Dr. Chittaranjan Nayak**, SRM Institute of Science and Technology, Chennai, India

**Dr. Carlos H. Costa**, Federal University of Ceara, Russas, Brazil.

**Dr. Narottam Das**, Central Queensland University, Melbourne, Australia.

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