



THDC Institute of Hydropower Engineering & Technology, Tehri  
Bhagirathipuram, Tehri Garhwal, 249124 Uttarakhand, India  
Website: [www.thdcihet.ac.in](http://www.thdcihet.ac.in)



International Conference on Intelligent Computing and Smart Communication  
ICSC 2019

**20-21 April 2019, THDC-IHET, Tehri, India**

### [Call for Paper: Special Session](#)

**Title of Special Session: “Optical Network Challenges and its Survivability”**

#### Introduction of the Session:

In communication networks, survivability is an important aspect in protection and restoration. The main object of this proposal is to develop an integrated model, which describes the design of networks, with node and switch architectures. The proposed theme gives a design tool to analyze several partial mesh and hierarchical topologies, and demonstrates that a hierarchical topology provides the most scalable solution for satisfying the design constraints. Further the design tool is to optimize the design based on the comparison of different network components. Protection and restoration strategies are proposed in order to achieve survivability in multi-layer networks challenges such as physical layer and logical layer networks. A model for multi-layer networks survivability which is based on a resource sharing pool which avoids redundant protection in lower layer.

#### ICSC - 2019

Owing to the responsibility in the field of research and technology, THDC-IHET and SoE, CUSAT, Kochi is organizing an International conference on Intelligent Computing and Smart Communication, (ICSC-2019) from 20-21 April 2019 at THDC-IHET, Tehri. The conference will witness several national, international delegates and researchers sharing their views and new ideas in the field of computing and communication. ICSC-2019 is expected to provide an opportunity for researchers to meet and discuss the latest solutions, scientific results and methods in solving intriguing problems in the fields of computing and communication along with real world applications. The conference program will include workshops, special sessions and tutorials, along with prominent keynote speakers and regular paper presentations in parallel tracks.

All the accepted and presented papers will be published in the **Algorithms for Intelligent Systems (AIS), a book series of Springer Nature.**



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## Topics of the Session

Authors are invited to submit their original, unpublished and quality research papers in the areas including, but not limited to

- Optical Materials
- Optical Signal Processing
- Advances in Optical Networking
- Photonic Communications Systems and Networks
- High-speed Optical Communications systems & devices
- All-Optical Communication Systems
- Energy-Efficient & Spectral-Efficient Optical Communication Systems
- Optical MIMO
- Optical fibre and Devices for Optical Communications
- Optical Amplifiers
- Optimization of Optical Communication Networks
- Optical sensors
- Optical network management
- Nonlinear Optics
- Nanophotonics
- Digital all-optical networks
- Next generation networking
- Optical switching and routing (WAOR)
- Optical packet networks, memories and data storage
- Optical transparency and network scalability
- Network reliability and availability (RONEXT)
- Non-conventional optical communications
- Other relevant topics



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### Organized by:

1. Dr.K.V.S.S.S.S. Sairam  
NMAM Institute of Technology,Nitte  
Professor, E&C Department  
Karnataka, India
2. Mr. Chandra Singh  
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### Important Dates

Last Dates of Paper submission	<del>20 January 2019</del> 10 February 2019 (extended)
Paper Acceptance Notification	10 March 2019
Last date for receiving CRP and Author Registration	01 April 2019
Conference Dates	20-21 April 2019



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## Venue

THDC Institute of Hydropower Engineering and Technology  
New Tehri Uttarakhand, India  
249124  
Website: [www.thdcihet.ac.in](http://www.thdcihet.ac.in)

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- For more Information kindly visit the website: [www.icisc.org](http://www.icisc.org)