



Webinar on **“Breaking the Terabit Barrier: The Evolution of Optical Transport Networks (OTN) to 400T and Beyond”**

6th June 2025, Friday (11:00 - 13:00 Hrs)

Webinar Objective

The webinar on **“Breaking the Terabit Barrier: The Evolution of Optical Transport Networks (OTN) to 400T and Beyond”** aims to explore the transformative journey of Optical Transport Networks (OTN) from traditional systems to cutting-edge 400 Terabit capabilities, by integrating insights from academic research, technological innovation, and industry deployment. This webinar aims to equip telecom professionals, policymakers, and researchers with a comprehensive understanding of the scientific foundations, engineering challenges, and strategic implications of next-generation high-capacity optical networks, paving the way for India’s digital infrastructure evolution.

Esteemed speakers of International Repute, CDoT and Industry will share insights on current research, field implementations, and innovations on Optical Transport Networks (OTN) to 400T and Beyond. **The target audience** of the webinar are the officers from LSAs, DoT, TSPs, ISPs, Industry forums, Academia and other stakeholders.

Inaugural Session (11:00 - 11:20 Hrs)

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| 11:00 - 11:05 | Welcome Address | Sh. Navneet Chouhan | DDG (Tx & NGS), NCA-T, Ghaziabad |
| 11:05 - 11:15 | Inaugural Address | Sh. Atul Sinha | DG, NCA-T, Ghaziabad |
| 11:15 - 11:20 | Vote of Thanks | Sh. Amit Kumar Chauhan | Director (Tx & NGS), NCA-T, Ghaziabad |

Technical Sessions (11:20 - 13:00 Hrs)

S. No.	Time (Hrs.)	Name of the Topic	Expert Speaker
1.	11:20-11:50	5th generation of Optical Communications: Achieving a Speed up to 400 Tbps and beyond	Dr. A K Srivastava, ITS Former Executive Director, MTNL
2.	11:50-12:20	Optical Communication: Trends and Industry Perspective	Sh. Digamber Yadav Group Leader & Scientist-F Optical Core Network, CDoT
3.	12:20-12:50	Optical Communication: AI & Global Network Trends	Sh. Gaurav Bafna Director, Sales Engineering M/s Ciena India Pvt Ltd
4.	12:50-12:58	Question & Answer Session	
5.	12:58-13:00	Vote of Thanks	Sh. Ravi Kumar AD (Tx & NGS), NCA-T, Ghaziabad

Dignitaries of Inaugural Session



Atul Sinha
DG, NCA-T, Ghaziabad



Navneet Chouhan
DDG (Tx & NGS), NCA-T, Ghaziabad



Amit Kumar Chauhan
Director (Tx & NGS), NCA-T, Ghaziabad

Online Platform & Registration

- Date & Time:** 6th June 2025, Friday (11:00 -13:00 Hrs.)
Online Platform: Microsoft Teams
Link & QR Code to join the Webinar: <https://tinyurl.com/OTN-Webinar-6th-June>



Expert Speakers

Dr. A K Srivastava, ITS, Former Executive Director, MTNL

Dr. Anuj Kumar Srivastava belongs to 1981 batch of Indian Telecommunications Services. He was Executive Director, MTNL, Government of India. He has been Visiting Faculty of IIT Delhi and FMS University of Delhi. He had Represented at ITU-T and ITU-R several times. He has Represented DoT/MTNL by publishing and presenting Papers at PHOTONICS, 96 at IIT Chennai, 98 at IIT Delhi. (PHOTONICS was the Global Conferences on Advanced Optical Communications) He has also published more than 50 papers in the field of Fibre Optics and delivered talks nationally and at various International Fora and has visited more than 30 countries. He has delivered talks on Fibre Optics in various International Universities including Nile University, Egypt, Royal Melbourne Institute of Technology, Sydney Australia, University of Prague Czech and Budapest Technical University etc. He has earned the degrees of M. Tech (in Fibre Optics), MBA, PhD in Broadband Economics and he is also the Fellow IETE.

Sh. Digamber Yadav, Group Leader (Optical Core Network), CDoT

Sh. Digamber Yadav is working as Group Head of Optical Core Networks Group at Centre for Development of Telematics (C-DOT), New Delhi. He is involved in design and development of multiple projects for optical core & access networks and Quantum communications. Projects currently undertaken include 100G/200G DWDM, 8Tbps/12Tbps OTN Cross Connect, Qsafe-200 Optical Encryptor, Single Photon Detector. He is B.Tech. in Electronics & Communication Engineering from NIT Jaipur. Patents granted include "Synchronous data transmission system and method" in September 2022 and "System and method for asynchronous data communication among transceiver cards over a common data bus" in March 2023. Patent filed for "System and method for FPI Clock synchronization in P-OTP System in Nov 2023.

Sh. Gaurav Bafna, Director, Sales Engineering, M/s Ciena India Pvt Ltd

Sh. Gaurav Bafna is the experienced consultant with a demonstrated history of working in the Telecommunications industry. Presently, he is working as Director, Sales Engineering, M/s Ciena India Pvt Ltd. and is responsible for Business development for key North accounts in India, managing amazing pre-sales team for both optical and R&S portfolio of M/s Ciena and the initiatives for strategic key projects. His areas of expertise are DWDM, NMS, GSM, and Transmission. In his earlier experiences, he has worked as System Engineer, Ciena India Pvt Ltd, Sr. Product Manager at M/s Huawei, Sr. Engineer at M/s Nokia Siemens Networks and Sr. Engineer at HFCL. He is an engineering graduate from VTU, Bangalore in Electrical, Electronics and Communications Engineering.

Organizing Team

Tx & NGS Division, NCA-T, Ghaziabad



Navneet Chouhan
DDG (Tx & NGS)



Amit Kumar Chauhan
Director (Tx & NGS)



Ravi Kumar
AD (Tx & NGS)

Contact Details: Shri Ravi Kumar, AD (Tx & NGS), Tel: 9412000289, e-mail: ad.transmission-nti@gov.in