



दूरसंचार विभाग  
DEPARTMENT OF  
TELECOMMUNICATIONS



**National Telecommunications Institute  
for Policy Research, Innovation and  
Training (NTIPRIT)**

## National Workshop on “Advanced Optical Communication” on 10th March, 2022

### Agenda

#### Inaugural Sessions

09:30-09:35: **Welcome Address**  
09:35-09:50: **Keynote Address**  
09:50-10:00: **Inaugural Address**  
10:00-10:02: **Vote of Thanks**

Sh. U.K. Srivastava, DG, NTIPRIT  
Prof. K. Thyagarajan , HoD Deptt. of Physics, Bennett University  
Sh. K. Rajaraman, Secretary (Telecom), DoT  
Sh. Raju Sinha , DDG (Tx & NGS), NTIPRIT

#### Technical Sessions

**10:03-10:30 : “DWDM: Evolution, Challenges and Future”**

Sh. Kumar N. Srivaranjan , CTO, Tejas Networks

**10:30-11:00 : “PON : Evolution, Challenges and Future ”**

Sh. Atul Kumar Gupta, Head( Optical Technologies) ,C-DoT

**11:00-11:25 : “ Trends in Optical Networks & Technology ”**

Sh. Anjani Kumar Vaish , Director of Field Systems Engineering  
at Ciena International Region

**11:25-11:50 : “ Advancement in Optical Technologies and Future Network ”**

Sh. Neetiraj Singh Shekhawat, Optical Technology Expert Infinera

#### Q & A Session

**11:50-12:00: Questions & Answers**

**Date: 10<sup>th</sup> March, 2022**

**Time: 09:30 Hrs to 12:00 Hrs**

**Platform: Microsoft Teams**

**To register: SCAN the QR Code**

Or Register at: <https://tinyurl.com/RegWebAdvOpticalComm>

Join Directly at: <https://tinyurl.com/JoinWebAdvOpticalComm>



Once you register, joining link will be shared on your email which you can use to join or save it to join on the day of webinar.

***Participants are requested to join the workshop at least 10 minutes before the start of the session (09:20 AM)***



**Sh. K Rajaraman**  
Secretary (T), DoT

Shri K. Rajaraman is an Indian Administrative Services (IAS) officer from 1989 batch. He was previously working as Additional Secretary in Department of Economic Affairs (DEA). He has worked towards fostering economic relations worldwide particularly G 20 and BRICS countries. He holds bachelor's degree in Engineering and master's degree in financial management.



**Prof. K. Thyagarajan, HoD,**  
Dept. Of Physics, Bennett  
University.

Prof. K. Thyagarajan superannuated from IIT Delhi in March 2017 and is currently Professor and Head, Department of Physics in the School of Engineering and Applied Sciences at Bennett University. He has held Visiting positions at various institutions in France, USA, Canada Hong Kong and Japan. He has published more than 160 research papers in the areas of optics and photonics in international journals. He is a Co-Chair of the Task Force on Advanced Optical Communications, of the DoT, Govt of India. He is Member of the Empowered Committee of the DST, SERB, Govt. of India.



**Sh. U. K. Srivastava,**  
DG, NTIPRIT

Shri U. K. Srivastava, is an officer of Indian Telecom Service (ITS) and presently serving as DG & Head of NTIPRIT, DoT Government of India. He has over 36 years of rich experience in the field of Telecommunications and has led various units of DoT, Govt of India and Telecom Regulator in India, TRAI. He had also worked in ITU at Iraq and its HQ at Geneva



**Sh. Kumar N. Shivarajan**  
**CTO, Tejas Networks**

Sh. Kumar is the Chief Technology Officer (CTO) at Tejas Networks. He has nearly three decades of experience in the field of telecommunications. He is fellow of Indian National Academy of Engineering. Kumar has co-authored the best selling book titled “Optical Networks : A practical Perspective” . He is also a recipient of the prestigious IEEE W RG Baker Prize Paper award in 1997.

Kumar was the first chairperson of the governing council of Telecommunications Standards Development Society, India (TSDSI). Prior to joining Tejas , he was an Associate Professor at IISC, Bengaluru and Research Staff member at the IBM Thomas J. Watson Research Centre, New York. He holds a B. Tech. in Electrical Engineering (Electronics) from the IIT Madras and M. S. & PhD from California Institute of Technology, USA.



**Sh. Atul Kumar Gupta ,**  
**Head (Optical Technologies),**  
**CDOT**

Sh. Atul Kumar Gupta has more than 29 Years of experience in the design and development of Optical Communication based products. He has worked on design of Synchronous Digital Hierarchy (SDH) based systems, Fiber Access System, Optical Amplifiers, Giga-bit capable Passive Optical Network (GPON), Dense Wavelength Division Multiplexing (DWDM) equipment, Quantum key Distribution (QKD) etc. He holds B.E. (Electronics and Communication) from DCE, Delhi and M.Tech. (Opto-electronics and Optical Communication) from IIT, Delhi and is currently designated as Head (Optical Technologies) at C-DOT.



**Sh. Anjani kumar Vaish,**  
**Director, International**  
**Region, Ciena**

Sh. Anjani Kumar Vaish is Director of Field Systems Engineering at Ciena International Region, where he is responsible for all presales, business development and solution engineering activities in Tier-1 accounts for India and SAARC region for more than 10 years. Given his experience in optical networks, he also works with global teams across the Ciena’s International region covering Europe, Middle East and Asia Pacific for knowledge and best practice sharing. Prior to joining Ciena in 2011, Anjani Kumar held various key engineering positions at Tejas Networks, COLT and Bharti Airtel in Optical and Network management domain. Anjani holds a Degree in Electronics and Communication from Dr. APJ Abdul Kalam Technical University.



**Sh. Neetiraj Singh Shekhawat**  
**Optical Technology Expert,**  
**Infinera**

Sh Neetiraj Singh Shekhawat is Director – System Engineering, Infinera. He has 20+ years of experience in Telecommunication, worked in various roles including Field, Operations, System Integration, TAC & recently in Presales System Engineering from last 8 years, expertise in Optical DCI, Metro, Long Haul & Subsea networks. Mr Shekhawat is currently heading Infinera South Asia Pre-sales System Engineering team.

#### **For a flawless workshop experience, do keep the following in mind:**

- Use a Laptop/Desktop to join.
- Have a stable and good internet connection
- In case you are going to use Microsoft Team for first time, please test it in advance to avoid any issue at last minutes.

#### **How to Use Microsoft Team and Join this Webinar**

1. In your email invite, Click the given link or Scan given QR code.
2. You have three choices:
  - Download the Windows app: Download the Teams desktop app.
  - Continue on this browser: Join a Teams meeting on the web.
  - Open your Teams app: If you already have the Teams app, go right to your meeting.
3. Type your name.
4. Choose your audio and video settings.
5. Select Join now.

*Please Keep your Audio/ Video in Mute Mode while joining and during workshop . You may open it during Question Answer Session at the end of the Session.*