

The **Indian Institute of Technology, Madras**, under the aegis of the **Department of Telecommunication**, is organising a Global Workshop on Advances in Optical Communications.

Purpose

- To discuss and explore the latest developments and advancements in the field of optical communication.
- To bring together experts, researchers, academia, and industry professionals from both India and around the world
- Opportunity for networking, sharing knowledge, and promoting collaboration among academia, industry, and government.
- To discuss the potential uses of the advanced optical testbed, challenges and opportunities in standardization and patenting

Registration

Registration is free but mandatory.



Please use this QR code to register.



Workshop on Advances in Optical Communications

22 - 23 July 2023

8:30 am - 6:30 pm

D6, IITM Research Park

Organised by
Indian Institute of Technology Madras
Under the aegis of
Department of Telecommunication



संचार मंत्रालय
MINISTRY OF
COMMUNICATIONS

DIGNITARIES



Shri Ashwini Vaishnaw
Hon'ble Minister of
Communications, Railways and IT



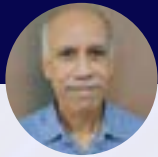
Shri Devusinh Chauhan
Minister of State for
Communications



Smt Gunjan Dave
Member (Technology)
DoT



Shri Uma Shankar Pandey
Member (S)
DoT



Shri R.R. Mittar
Sr. DDG and Head
TEC



Rajkumar Upadhyay
CEO
DoT

SESSIONS

- **Transceiver Technology**
Current and future trends (including chip design and DSP)
- **Advances in Optical Fiber Technology**
Beyond Single Mode fibers (multicore, few-mode, hollow core fibers)
- **Radio over Fiber for 5G/6G and Satellite Communication**
- **Optical Networks: Paradigms and Challenges**
- **FSO and LiFi: Open Problems and Implementation Challenges**
- **Quantum Key Distribution: Implementation challenges**
- **Photonic Integrated Circuits and Interconnects**

PANEL DISCUSSIONS

- **Standardization Challenges and Solutions**
- **Patent and Indigenization Challenges and Solutions**
- **Establishment of AOC Test-bed – How it will support the ecosystem**

POSTER PRESENTATIONS

We invite all passionate students to participate in our engaging poster session, where you can share your innovative ideas and findings with fellow scholars.

Register now at our website (cdot.in/cdotweb/web/aocWorkshop23.php) and be part of our poster session.

Poster Size and Format - please bring your **printed** presentation poster in **A0 size**.

PATRONS



Shri K Rajaraman
Secretary (Telecom)
Department of Telecommunications



Prof. V Kamakoti
Director
IITM

PLENARY SPEAKER

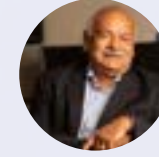


Shu Namiki
Research Director
AIST Japan

CONFIRMED SPEAKERS



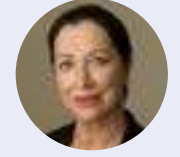
Bill Corcoran
Senior Lecturer
Monash University, Australia



Biswanath Mukherjee
Distinguished Prof. Emeritus
Computer Science UC Davis



Cristian Antonelli
Associate Professor
University of L'Aquila, Italy



Dalma Novak
Chair/IEEE TAB Diversity &
Inclusion Committee



Hardik Soni
CTO & Co-founder
Nav Wireless Technologies



Kumar N Sivarajan
CTO & Co-Founder
Tejas Networks Ltd.



Meena Dasan
Senior Scientist
DRDO



Mahesh Krishnaswamy
Director, Project Taara
X, the moonshot factory



Radha Nagarajan
Senior VP & CTO
Marvell Technology



Shankar Kumar Selvaraja
Associate Professor
IISc, Bangalore



Sudharsanan Srinivasan
Assistant Professor
IIT Madras, India



Yongmin Jung
Principal Research Fellow
University of Southampton

CONFIRMED PANELISTS

Ritu Ranjan Mittar, Sr.DDG, TEC

Sudipta Bhaumik, Head - Applications & Standards Engg. STL, India

Jishnu Aravindakshan, Principal Product Architect, Tejas Networks

Radhakrishna Ganti, Professor, EE Department, IIT Madras

Krishna Kumar, Head – Technology, SASMOs

Gupteswar Majhi, Group Leader, CDoT

C N Shashidhara, Jt. Controller of Patents and Design

Vaibhav Khanna, Head of Intellectual Property, STL, India

Avinash Agarwal, DDG (Standardisation), TEC

Kanthababu, Director (CIPR), Anna University

Firoz Ali, Professor, DoMS, IIT Madras

Himamshu Khasnis, Founder and CEO, Signalchip

Deepa Venkitesh, Professor, EE Department, IITM

Arvind Mishra, Associate General Manager - R&D STL (OR)

Rajkumar Upadhyay, CEO & Chairman Project Board, C-DOT

Atul Kumar Gupta, Head – Optical Technologies, CDoT

Ravi Mehta, Co-Founder, Qunafluence

Abhishek Dixit, Professor, EE Department, IIT Delhi

Samuel Varghese, Sr. Group Director - Photonics R&D, SFO

Kumar N Sivarajan, CTO & Co-Founder, Tejas Networks Ltd.