

May 16, 2020
International Day of Light
Department of Physics, IIT Guwahati

Inaugural Session : 9:30 AM– 9:50 AM (Session Chair: Prof. Bosanta R. Boruah and Dr. Ashwini Kumar Sharma)	Introduction by Dr. Gagan Kumar
	Mr. Rajnandan C. Das (President, SPIE Student chapter, IITG)
	Mr. Rakesh Sarkar (President, IEEE Ph. Soc. Student chapter, IITG)
	Prof. Subhradip Ghosh, Head, Department of Physics, IIT Guwahati
	Vote of Thanks by Prof. Tarak N. Dey
Technical Session – I Session Chair: Prof. Bosanta R. Boruah and Dr. Ashwini Kumar Sharma (Department of Physics, IIT Guwahati)	
10:00 AM – 10:40 AM	Dr Ranjan Singh, NTU, Singapore <i>Title: Topological Photonics for 6G Communications</i>
10:45 AM – 11:25 AM	Prof Sudipta Maiti, TIFR, India <i>Title: Laser finds “happiness” How laser microscopy is helping us understand our brains</i>
11:30 AM – 12:10 AM	Prof Ashok Mahapatra, NISER Bhubaneswar <i>Title: Dynamical phase transition in mirrorless optical parametric oscillator</i>
12:10-12:30	Discussion with participants – Laser and optics research in IIT <i>(Research @ IITG by Dr. Kanhaiya Pandey)</i>
12:30 PM – 13:10 PM	Prof Martin Booth, Oxford University, UK <i>Title: Adaptive optics for microscopy and photonic engineering</i>
	Lunch Break

Technical Session – I Session Chair: Dr. Gagan Kumar and Dr. Amarendra K. Sarma (Department of Physics, IIT Guwahati)	
2:30 PM – 3:10 PM	Prof. Kishan Dholakia, University of St. Andrews (UK) <i>Title: Let nothing slow you down: Optical trapping in vacuum</i>
3:15 PM – 3:55 PM	Prof Brian Culshaw, University of Strathclyde, Glasgow <i>Title: Photonics-what is it and where might it lead?</i>
4:00 PM-5:00 PM	Dr Naresh Chand, AVP, Chapter Relations, IEEE Photonics Society <i>Title: Photonics Opportunities and Challenges in India</i>
	Vote of Thanks

N.B. Please visit our website <https://www.iitg.ac.in/clubs/ssphotonics/IDL-2020.html> for mode of online lectures and other details.