

Day 4B: Monay September 28, 2026
LHC 3rd Floor, IIT Delhi

Time	Hall-A	Hall-B	Hall-C	Hall-D	Hall-E
	Quantum Photonics-VI Chair: Rajesh V. Nair	Optics for Defence Technology-II Chair: D S Mehta	Wavefront Engineering-IV Chair: Anand Kumar Jha	AI/ML and Photonics-II Chair: A. Aadhi	
15:00	FOP347: Hexagonal Boron Nitride Spin Defects for Quantum Photonics: Annealing-Free Generation by Krypton Ion Implantation Ikshvaku Shyam, IIT Bombay, Mumbai, India	Invited: Advances and Challenges in Nested Loop Cascaded Stage Tiled Aperture Coherent Beam Combining Balaji Srinivasan IIT Madras, Chennai, India	Invited: Temporal Phase Unwrapping with Under-sampled Spectral Signal using Tilted Interference Dinesh N Naik, IIST Thiruvananthapuram, Kerala, India	Invited: Speckle-Learned Single-Shot Regression of Complex OAM Superposition States Vijay Kumar, NIT Warangal, Telangana, India	
15:15	FOP351: Coherence transfer in bright twin beams Sandra Susil, IIST Thiruvananthapuram, Kerala, India				
15:30	FOP129: Negative-Temperature States in Multimode Solitons Love Kumar Sharma, IIT Ropar, India	Invited: Next Generation Electro-Optical Systems Sudhir Khare, IRDE Dehradun, India	FOP143: Comparison of Fourier Transform Speckle Profilometry and Temporal Phase Unwrapping using a Recursive Algorithm in Wavelength-tuning Interferometry Harikrishnan. P, IIST Thiruvananthapuram, Kerala, India	FOP017: Multimodal Optical Feature Extraction with a Free-Space Photonic Extreme Learning Machine Anushree Khisti, IIT Bombay, Mumbai, India	
15:45			FOP147: Optimal contrast criterion for accurate classification of phase objects from their in-line holograms Chhavi, IITDelhi, India	FOP020: Virtual Staining Microscope for Label-Free Liver Cancer Histopathology Anant Gupta, Thapar Institute of Engineering and Technology, Patiala, India	
16:00		FOP264: Neuromorphic Event Data Acquisition for High-Speed Vision Applications Chinmay Khattar, IRDE Dehradun, India	FOP168: Projection-based Grayscale Photolithography for Beam Shaping Aniket Pandey, IISc Bengaluru, India		
16:15			FOP393: Modelling of Three-Dimensional Refractive Index Map in Optical Diffraction Tomography Munindra Kushwaha, IIT BHU, India		
16:30	Hall A: Concluding Session				
17:00	High Tea				

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	Quantum Photonics-III Chair: Parvendra Kumar	Optical Materials Chair: Navendu Mondal	Nanophotonics-III Chair: Awanish Pandey	Wavefront Engineering-II Chair: Jolly Xavier	Terahertz Photonics-III Chair: Mukesh Jewariya
09:30	Invited: Diamond Color Centers as Solid-State Quantum Platforms Rajesh V. Nair, IITRopar,India	Invited: Perspective on Photonic and Electronic Devices using Oxidebased thin films Rajib Chakraborty, University of Calcutta, Kolkata, India	Invited: Epsilon-Near-Zero Materials and Their Photonic Applications Vipul Rastogi, IIT Roorkee, India	Invited: Atmospheric Turbulence impacted light beam scintillation mitigation using PMMA Rod(s) C.S. Narayanamurthy, IIST Valiamala, Trivandrum, India	Invited: HRFZ SOI Platform for Selected THz Guided Wave Active Devices Rajesh Kumar, IIT Roorkee, India
10:00	Invited: Making Quantum Light: Deterministic Defect Engineering in Hexagonal Boron Nitride Anshuman Kumar, IIT Bombay, India	FOP001: Excitation and Momentum Resolved Multi-Polaritonic Emission Mapping in Hybrid Organic- 2D Material Microcavity Jhuma Dutta, Thapar University, Patiala, India	Invited: Observation of Chiral s-p Orbital Topological Edge States in Femtosecond Laser-Written Photonic Floquet Lattices Sebabrata Mukherjee, IIScBengaluru, India	FOP067: A Plenoptic Wavefront Sensing Framework for Atmospheric Turbulence Characterization and Adaptive Optical Imaging J. Sreekantha Reddy, DRDO, Hyderabad, India	Invited: Terahertz Optical Devices Based on Tunable Metamaterials Natesan Yogesh, NIT Calicut, India
10:15		FOP003: Advancing Light Emission from 2D Semiconductor Devices Through Van der Waals Contact Engineering James Singh Konthoujam, RCAS, Taipei, Taiwan		FOP076: Holographic Modal Wavefront Sensing Using Spatial Intensity Distribution and Convolution Neural Network Anitta Jomy, IIST Trivandrum, India	
10:30	FOP339: Portable Optically Pumped Atomic Magnetometer for Geophysical Surveys Nisha, IIT Delhi, New Delhi, India	FOP004: Molecular Resonance- and Charge-Transfer- Assisted SurfaceEnhanced Raman Scattering using Molybdenum Oxide Nanoparticles Palash Makumuria, IIT Guwahati, India	FOP253: LWIR all-Silicon ultrathin spherical metalens design and numerical simulation Vikram Bhandari, IIT Delhi, New Delhi, India	FOP082: Adaptive Wavefront Shaping for Optical Focusing and Imaging Through Scattering Media Anuvratha Vijay, IIST Thiruvananthapuram, India	FOP205: Centre Frequency Tuneable Linear Frequency Modulated Dual-Chirp generation for Microwave Photonic FMCW Radar Atul Khanna, IIT Delhi, New Delhi, India
10:45	FOP340: Towards Demultiplexing of OAM-Multiplexed Bright Twin Beams Chirang R. Patel, IIST Thiruvananthapuram, Kerala, India	FOP005: Sb ₂ S ₃ Films for Low-Loss Reconfigurable Photonics Meera V, TIFR Hyderabad, Telangana, India	FOP394: Monte Carlo Analysis of MgO Nanoparticles dispersed in PDMS Matrix for Passive Daytime Radiative Cooling Shubhrakanta Panda, IIT Roorkee, India	FOP085: A Real-Time Implementation of an Adaptive Autofocus Algorithm leveraging NVIDIA Jetson AGX Orin Bhoomika Saxena, IRDE, DRDO, Dehradun, India	FOP295: Light-Controlled Lattice Engineering for Reconfigurable Terahertz Metadevices Vanlal Rinfela, IIT Hyderabad, Telangana, India FOP297: Plasmonically Hybridized Broadband Graphene Metasurface for Terahertz Dual-Band Four-Wave Mixing Mitali Sahu, IIT Kharagpur, India
11:00	Tea				
11:30	Laser-II Chair: Gayathri Bharathan	Optics for Space Technology-II Chair: M. Senthil Kumar	Photonic Sensors Chair: Satish K Dubey	Special Fields and Beams Chair: Tanya Malhotra	Terahertz Photonics-IV Chair: Sunil Kumar
	Invited: Engineering Nonlinearities in High Power Narrow Linewidth Fiber Lasers Supradeepa V.R., IISc Bangalore, India	Invited: Design and Development of Hyperspectral Imaging instruments for India's Earth and planetary missions Moumita Dutta, ISRO Ahmedabad, India	Invited: A plasmonic metagrating based dual-mode infrared sensor for label-free detection of traces of water in ethanol Sachin K. Srivastava, IIT Roorkee, India	Invited: Non-separable light beams and scattering Y. Miyamoto, The University of Electrocommunications, Chofu, Tokyo, Japan	Invited: Probing Spatial Coherence with a Terahertz Metasurface Akhilesh Kumar Mishra, IIT Roorkee, India

12:00	FOP180: Ground-State Search via Intrinsic Feedback Annealing in Coupled Laser Arrays Rajneesh Fulara, IITRopar,India	Invited: Optical Instrumentation for Solar astronomy: Overview of observational facilities at Udaipur Solar Observatory A. Raja Bayanna, PRL, Udaipur Solar Observatory, India	Invited: Probing narrow photonic resonances using tunable diode lasers – applications in gas sensing, FBG interrogation and nanobiosensing Arup Lal Chakraborty, IIT Gandhinagar Gandhinagar, India	Invited: Exceptional-Point Photonics for Application-Specific System Design Somnath Ghosh, Mahindra University, Hyderabad, India	FOP299: Observation of Exceptional Points in non-Hermitian Photonic Crystal Parul Sharma, IIT Bombay, India
12:15	FOP187: Spatial Coherence Control of Structured Beams in a Degenerate Cavity Laser: Binary versus Gaussian Fourier Filtering Neethu K, IITRopar,India				FOP406: Broadband Ultrafast Optically Induced Reflectivity Dynamics of crystalline bulk 3d topological insulators Shiwangi Puri, IIT Delhi, New Delhi, India
12:30	FOP192: On-chip random lasing from clusters of quasi-monodispersed microdroplets in amplifying medium Diksha Sharma, IITRoorkee,India	FOP279: Active-Medium-Induced Scale Factor Variations in Prism-based Ring Laser Gyroscopes for Space Navigation Anjitha Viswanath, ISRO Thiruvananthapuram, India	Invited: Advanced ocular wavefront sensing methods and towards customized ophthalmic solutions Vyas Akondi, IISER Berhampur, Odisha, India	FOP279: SU(2) walk on higher-order Poincaré sphere Mohammad Umar IIT Delhi	
12:45	FOP197: Tunable modulation depth in multimode-interference saturable absorbers for 2 μ m fiber lasers Bhanu Yadav, IIT Delhi, New Delhi, India			FOP062: Investigation of Detector Translation for Refocusing in a Compact Imaging System Ratnabali Ghosh IIT Delhi	