

National Conference on Emerging Trends in Applied Physics (ETAP-2026)

16-18th March 2026

TMA Pai Hall, MAHE, Manipal – 576 104

Programme Schedule

Day 1 - 16th March 2026

Timings	Program
08.30 AM – 09.15 AM	Registration
All Participants are requested to gather at the venue	
09.30 AM – 10.30 AM	Inauguration Session
09.30 AM – 09.35 AM	<i>Invocation</i>
09.35 AM – 09.40 AM	<i>Welcome Address by Dr. Sajjan Daniel George</i> Director, MIAP, MAHE, Manipal
09.40 AM – 09.45 AM	<i>Overview of ETAP 2026 by Dr. Unnikrishnan V. K.</i> Convener, ETAP 2026
09.45 AM – 09.50 AM	<i>Lighting the Lamp</i>
09.50 AM – 10.05 AM	<i>Inaugural Address by Prof. Indranil Manna</i> Vice-Chancellor, BIT Mesra, Jharkhand
10.05 AM – 10.10 AM	<i>Release of MIAP Student Magazine</i>
10.10 AM – 10.25 AM	<i>Presidential Remarks by Lt. Gen. (Dr.) M. D. Venkatesh</i> Vice Chancellor, MAHE, Manipal
10.25 AM – 10.30 AM	<i>Vote of Thanks by Dr. Suresh D. Kulkarni</i> Secretary, ETAP 2026
10.30 AM – 11.00 AM	High Tea
11.00 AM – 12.00 PM	Keynote Address Prof. Indranil Manna , Vice-Chancellor, Birla Institute of Technology, Mesra, Jharkhand <i>Title: Laser Additive Manufacturing</i>
Session 1	
12.00 PM – 12.45 PM	Plenary Talk Prof. Umesh Waghmare , President, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore <i>Title: New Vibrational Spectroscopies based on Quantum Geometry of Electrons</i>
12.45 PM – 02.00 PM	Lunch Break

Session 2	
02.00 PM – 02.30 PM	Invited Talk: Dr. Saptarshi Basu , Professor, Indian Institute of Science, Bangalore <i>Title: Journey of Complex Droplets</i>
02.30 PM – 03.00 PM	Invited Talk: Prof. Rabibrata Mukherjee , Professor, Indian Institutes of Technology, Kharagpur <i>Title: The fascinating science of spin dewetting</i>
03.00 PM – 03.30 PM	Invited Talk: Dr. Sangeeta Kale , Higher Administrative Grade Professor, Defence Institute of Advanced Technology, Pune <i>Title: Combination of engineered resonators and nanomaterials for sensing hazardous environments</i>
03.30 PM – 04.00 PM	Tea Break
Session 3	
04.00 PM – 04.45 PM	Plenary Talk Prof. A.C. Bhasikuttan , Bhabha Atomic Research Centre, Mumbai <i>Title: Interaction of high/low energy photons with molecules/matter: Chemistry and beyond</i>
04.45 PM – 05.00 PM	Industry Talk 1: Toshniwal Technologies Pvt. Limited
05.00 PM – 05.10 PM	Industry Talk 2: Leica Microsystems
Day 2 - 17 th March 2026	
Session 1	
9.15 AM – 10.00 AM	Plenary Talk Prof. Chandrabhas Narayana , Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore <i>Title: Nano-Diagnostics: Detecting Genes, Cancer and Brain Disorders</i>
10.00 AM – 10.30 AM	Invited Talk: Dr. Ravikiran Ongole , Professor, Department of Oral Medicine & Radiology, MCODS, Mangalore <i>Title: Transforming Clinical Diagnostics with Optical Spectroscopy: A Two-Decade Journey</i>
10.30 AM – 11.00 AM	Invited Talk: Dr. Renu John , Professor, Indian Institutes of Technology, Hyderabad <i>Title: Optical Coherence Tomography for Clinical Applications</i>
11.00 AM – 11.30 AM	Tea Break

Session 2	
11.30 AM – 12.00 PM	Invited Talk: Dr. Kanchana V. , Professor, Indian Institutes of Technology, Hyderabad, India <i>Title: Computational Design of Mn-Based Topological Quantum Materials and Their Device Applications: Insights from Density Functional Theory</i>
12.00 PM – 12.30 PM	Invited Talk: Prof. Bhoje Gowd , Chief Scientist and Professor (AcSIR), CSIR - National Institute For Interdisciplinary Science and Technology, Thiruvananthapuram <i>Title: Hierarchically Architected Nylon-11 Aerogels: Structure, Morphology, and Energy Harvesting Applications</i>
12.30 PM – 02.00 PM	Lunch Break
Session 3	
02.00 PM – 02.45 PM	Plenary Talk Prof. Amit Agrawal , Institute Chair Professor of Engineering Sciences and Design, Indian Institutes of Technology, Bombay <i>Title: Development of Innovative Point-of-Care Microdevices</i>
02.45 PM – 03.15 PM	Invited Talk: Dr. Soumyadip Sett , Indian Institutes of Technology, Gandhinagar <i>Title: Advanced Materials for Thermal Management: Designing Surfaces for Enhanced Heat Transfer</i>
03.15 PM – 03.25 PM	Industry Talk 3: COMTEK Scientific Instruments
03.25 PM – 03.35 PM	Industry Talk 4: Edmund Optics
03.35 PM – 03.45 PM	Industry Talk 5: Laser Science Services
03.45 PM – 03.55 PM	Industry Talk 6: Optosigma
Session 4	
04.00 PM – 06.00 PM	Tea Break and Poster Presentation
Day 3 - 18 th March 2026	
Session 1	
9.15 AM – 10.00 AM	Plenary Talk Prof. Vijayamohan K. Pillai , Dean-Research and Development, Indian Institutes of Science Education and Research, Tirupati <i>Title: Modulation of the Van der Waals Gap in Two-Dimensional (2D) Materials and its Applications for Energy Storage</i>
10.00 AM – 10.30 AM	Invited Talk: Dr. Murthy Dharmapura , Associate Professor- Research, Manipal Institute of Technology, Manipal <i>Title: Argon or ambient air: How does annealing atmosphere dictate defect and optoelectronic properties of BiFeO₃</i>

10.30 AM – 11.00 AM	Tea Break
Session 2	
11.00 AM – 11.45 AM	<p>Plenary Talk</p> <p>Dr. Nirmal K Viswanathan, Senior Professor, School of Physics, University of Hyderabad</p> <p><i>Title: Photonic Spin-Hall Effect: A new approach to explore materials</i></p>
11.45 AM – 12.15 PM	<p>Invited Talk: Dr. Suchand Sandeep CS, Associate Professor- Research, Manipal Institute of Technology, Manipal</p> <p><i>Title: Femtosecond laser writing for flexible optics and electronics</i></p>
12.15 PM – 1.00 PM	Valedictory Function and Prize Distribution
12.15 PM – 12.20 PM	<i>Welcome Address by Dr. Sajjan Daniel George</i> Director, MIAP, MAHE, Manipal
12.20 PM – 12.25 PM	<i>Summary of ETAP 2026</i> Dr. Suresh D. Kulkarni Secretary, ETAP 2026
12.25 PM – 12.35 PM	<i>Address by Chief Guest Prof. Vijayamohan K. Pillai</i> Dean-Research and Development, IISER, Tirupati
12.35 PM – 12.45 PM	<i>Presidential Remarks by Dr. Narayana Sabhahit</i> Pro Vice Chancellor -Technology & Science, MAHE, Manipal
12.45 PM – 12.50 PM	<i>Prize Distribution</i>
12.50 PM – 12.55 PM	<i>Feedback</i>
12.55 PM – 01.00 PM	<i>Vote of Thanks by Dr. Unnikrishnan V. K.</i> Convener, ETAP 2026
01.00 PM – 02.00 PM	Lunch Break