

**International Topical Meeting on Fundamental and Applied Optics INTOPTICS-26**

**30 – 31<sup>st</sup> March 2026**

**Indian Institute of Space Science and Technology, Thiruvananthapuram  
Program Schedule**

<b>Day 1 – 30<sup>th</sup> March 2026</b>	
<i>Venue – Council Hall Admin Block</i>	
<b>9:00 – 9:30 am – Registration</b>	
<i>9:30 - 10:00 am</i>	<b>Inaugural Session</b>
<i>10:00 - 11:00 am</i>	<b>Plenary Lecture by Dr K V Sriram (Director, LEOS)</b> <i>Optical Technologies for Space Missions: Fundamentals to Flight</i>
<i>11:00 - 11:30 am</i>	<i>High Tea</i>
	<i>Session Chair – A R Ganesan</i>
<i>11:30 - 12:00 pm</i>	<b>S Dutta Gupta, TIFR Hyderabad</b> <i>Probing fundamental aspects with structured beams</i>
<i>12:00 - 12:30 pm</i>	<b>Anurag Sharma, IIT Delhi</b> <i>Specialty optical fibers and components: waveguide modelling</i>
<i>12:30 - 1:00 pm</i>	<b>L N Hazra, University of Calcutta</b> <i>The spatio-temporal evolution of optics &amp; optical systems around the globe, with snaps on optics in India</i>
<i>1:00 - 1:30 pm</i>	<b>T Krishna Murthy, Retd. Scientist LEOS ISRO</b> <i>Typical processes and their challenges in developing large size Optics Mirror Assemblies (OMAs) for space borne imaging telescopes</i>
<i>1:30 - 2:30 pm</i>	<i>Lunch break</i>
	<i>Session Chair – Nirmal K. Viswanathan</i>
<i>2:30 - 3:00 pm</i>	<b>A R Ganesan, IIT Madras</b> <i>Optical phase measurement techniques and applications in applied and adaptive optics</i>
<i>3:00 - 3:30 pm</i>	<b>Rakesh Kumar Singh, IIT BHU</b> <i>Coherence vortices: Generation and detection</i>
<i>3:30 - 4:00 pm</i>	<b>Digendranath Swain, VSSC</b> <i>Evolution of digital shearography in VSSC</i>
<i>4:00 - 4:30 pm</i>	<i>Tea Break</i>
	<i>Session Chair – Senthil Kumar M</i>
<i>4:30 - 5:00 pm</i>	<b>Ravi Pant, IISER Thiruvananthapuram</b> <i>Visible to mid-infrared frequency combs exploiting nonlinear optical effects in microresonators and dispersion-engineered waveguides</i>
<i>5:00 - 5:30 pm</i>	CT1 – Soloman Ivan <i>Estimating an object using inline intensity measurements.</i>
	CT2 – Athira T S <i>Investigating the phase of the superposition of a field and its phase conjugate</i>

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	CT3 – Kanishka S <i>Structured light fields of Laguerre–Gaussian modes on the hybrid-order Poincaré Sphere</i>
5:30 - 6:00 pm	Tea break
6:00 - 7:00 pm	Felicitation of Prof. C. S Narayanamurthy and Shri. T Krishna Murthy
7:00 - 7:30 pm	Cultural Programs
7:30 - 9:00 pm	Dinner
<b>Day 2 – 31<sup>st</sup> March 2026</b>	
Venue – Council Hall Admin Block	
	Session Chair – Anurag Sharma
9:30 - 10:00 am	<b>Senthil Kumar M</b> , SAC Ahmedabad <i>Optics and photonics technology in contemporary satellite missions</i>
10:00 - 10:30 am	<b>Naveen K Nishchal</b> , IIT Patna <i>Depth and motion analysis using a stereoscopic optical correlator</i>
10:30 - 11:00 am	<b>Lavanya A</b> , PSGR Krishnammal College for Women <i>Tightly focussed beam for nanoscopic applications</i>
11:00 - 11:30 am	High Tea
	Session Chair – Naveen K Nishchal
11:30 - 12:00 pm	<b>Nirmal K. Viswanathan</b> , University of Hyderabad <i>Photonic spin-Hall effect: A novel approach to explore materials</i>
12:00 - 12:30 pm	<b>K B Rajesh</b> , Govt. Arts College Coimbatore <i>Spin–orbit photonics in the tight-focusing limit</i>
12:30 - 1:00 pm	CT1 – Kavita Sharma <i>A hybrid nano-composite PVA-AuNPs stabilized platform for enhanced and durable Raman signal</i>
	CT2 – Sakthi Maheswari R <i>Topological charge dependent focal patterns of hybrid-order Poincaré sphere beams</i>
	CT3 – Jyoti Bikash Mohapatra <i>Processing correlation responses with CNN for improved classification in optical correlation systems</i>
1:00 - 1:30 pm	Concluding Session
1:30 - 2:30 pm	Lunch
2:30 - 3:30 pm	Lab visits