



First In-House Symposium

Organized by Physics Department

Venue: Raman Hall

Date: 25/03/2023

Programme Schedule

Time	Programme	
09:00 - 09:30	Registration	
09:30 - 10:00	Inauguration	
10:00 - 10:30	High Tea	
10:30 - 11:10	Keynote Address - Prof. M. K. Ravi Varma Title: Optics and Spectroscopy for Monitoring Atmosphere & Climate: An Overview of R&D Activities of Applied Optics & Instrumentation Laboratory	
11:15 - 12:30	Session 1	
	Speaker	Title
11:15 - 11:35	Dr. Subramanyan Namboodiri Varanakkottu	On-demand Assembly of Au NPs Over Solid Surfaces from Sessile Droplets by Thermoplasmonically-controlled Liquid Flow
11:35 - 11:50	Ms. Lekshmi B S	Simple and Continuous Production Janus Liquid Marbles Based on Controlled Droplet Impact
11:50 - 12:10	Dr. Natesan Yogesh	Surface Plasmon Polariton Resonances for Terahertz Waveband Applications

12:10 - 12:25	Ms. Hasana Jahan E K	Tamm Plasmon Cavity Enhanced Nonlinearity and Efficient Optical Limiting Action of Graphene Quantum Dot Prepared by Laser Ablation
12:25 - 12:45	Dr. Maneesh Chandran	Near Surface Nitrogen Delta Doping
12:45 - 02:00	Lunch + Poster Session	
02:00 - 03:15	Session 2	
	Speaker	Title
02:00 - 02:20	Dr. P. N. Bala Subramanian	A Peek into Aspects of Quantum Gravity
02:20 - 02:40	Dr. Sreeraj T. P	Quantum Measurement Problem, Decoherence and Quantum to Classical Transition
02:40 - 03:00	Dr. Saurabh Gupta	Big World of Small Neutrinos
03:00 - 03:15	Ms. Anjali S	Symplectic Reformulation of Particle on a Torus Knot as a Gauge Theory
03:15 - 03:45	Tea + Poster Session	
03:45 - 05:00	Session 3	
	Speaker	Title
03:45 - 04:05	Dr. Ram Ajor Maurya	Inverse Problems in Natural Science and Engineering
04:05 - 04:20	Ms. Safna Banu K	Coronal Seismology
04:20 - 04:40	Dr. Sayani Chatterjee	Absorbing Phase Transition in Conserved Stochastic Sandpiles
04:40 - 04:55	Mr. Muhammad Fasil P P	Computational Study of Nb-doped TiO ₂ as an Effective Oxygen Reduction Reaction Catalyst
05:00 - 05:30	Valedictory, Awards and Feedback	