

27th Raman Memorial Conference - 2021

MARCH 4TH - 5TH, 2021

“EMERGING TRENDS AND FUTURE PERSPECTIVES OF MULTI-FUNCTIONAL MATERIALS”

"CELEBRATING 100 YEARS OF EINSTEIN'S NOBEL PRIZE - THE PHOTOELECTRIC EFFECT"

Thursday, March 4, 2021

Time (IST)	Topic	Details
9:00 am - 9:45 am	Inauguration Link: https://tinyurl.com/yjzcf86x	
9:45 am - 10:45 am	Key Note : Celebrating One Hundred Years of Nobel Prize on Photo Electric Effect Speaker : Prof. Avinash Khare, Department of Physics, Savitribai Phule Pune University, Pune Link: https://tinyurl.com/yjzcf86x	40 min talk + 10 min discussion
10:45 am- 11:00 am	Break	
11:00 am - 12:00 am	Invited talk I: Fundamentals and Result Analysis of Raman Scattering Spectroscopy Technique Speaker : Dr. Vasant Sathe, UGC-DAE Consortium for scientific Research University Campus Khandwa Road, Indore Link: https://tinyurl.com/3f9kvxm9	40 min talk + 10 min discussion
12:00 am - 12:30 pm	Oral Presentation (OP) Link: https://tinyurl.com/sex327wf	
12:00 am - 12:10 pm	I - Ms. Shrreya Krishnamurthy : Structural analysis of broadband emitting 2D hybrid perovskites	8 min Presentation + 2 min discussion for each

12:10 pm - 12:20 pm	II - Mr. Karan Kumar Gupta : TL study of calcium pyrophosphate irradiated with carbon ion beam	presentation
12:20 pm - 12:30 pm	III - Mr. Amol Nande : Destruction of Superconductivity in percolating lead thin film	
12:30 pm - 01:00 pm	Thesis Presentation – I Mr. Subhash Maruti Pandharkar : Synthesis and study of quaternary chalcogenide absorbers for solar cell applications	20 min Presentation + 10 min discussion +10 min extra
01:00 pm - 02:00 pm	Lunch Break	
02:00 pm - 03:00 pm	Invited Talk II : Materials Innovations & Emergent Applications Frontiers Speaker: Prof. Satishchandra Ogale Emeritus Professor and Raja Raman Fellow, Indian Institute of Science Education and Research(IISER), Pune Link : https://tinyurl.com/4ha2fy6v	40 min Talk + 10 min discussion
03:00 pm - 03:30 pm	Oral Presentation (OP) Link : https://tinyurl.com/252muvvy	
03:00 pm – 03:10 pm	IV - Mr. Kishor Hanumant Gavahne : Study of Eu doped MgB ₄ O ₇ phosphor gamma, electron and ion dosimetry for medical applications	8 min Presentation + 2 min discussion for each presentation
03:10 pm - 03:20 pm	V - Ms. Ketaki Deshmane : Performance Analysis of Lead Acid Battery	
03:20 pm - 03:30 pm	VI - Ms. Jyoti Ravi Nagarale : D.C. conductivity studies of lithium chromium ferrite	

03:30 pm - 04:00 pm	<p align="center">Thesis Presentation - II</p> <p>Swapnil Doke : Effect of core/shell nanocrystals on the optical and electrical properties of ferroelectric liquid crystals</p>	<p align="center">20 min Presentation + 10 min discussion +10 min extra</p>
04:00 pm - 05:00 pm	<p align="center">Invited Talk III: Inner life of cells - Motion in crowded environments</p> <p align="center">Speaker: Dr. Mithun Kumar Mitra Associate Professor, Department of Physics, Indian Institute of Technology(IIT), Bombay Link: https://tinyurl.com/2x593n9c</p>	<p align="center">40 min Talk + 10 min discussion</p>
05:00 pm - 05:30 pm	<p align="center">Oral Presentation (OP) Link: https://tinyurl.com/yhajwcmr</p>	
05:00 pm - 05:10 pm	<p align="center">VII - Mr. Ram Swaroop : Design of compact mechanical facility based on 2.45 GHz microwave ion source for Plasma diagnosis and ion implanter facility</p>	<p align="center">8 min Presentation + 2 min discussion for each persentation</p>
05:10 pm - 05:20 pm	<p align="center">VIII - Ms. Shalaka Ashish Kamble : Densification of LaB₆ pellet shaped cathodes using novel plasma sintering method</p>	
05:20 pm - 05:30 pm	<p align="center">IX - Mr. Yashwanth H.J. : Enhanced photocatalytic activity of N, P, co-doped carbon quantum dots: An insight from experimental and computational approach</p>	
5:30 pm - 06:30 pm	<p align="center">Poster Presentation (PP01 to PP07) Link: https://tinyurl.com/2yn5ae7n</p>	

Friday, March 5, 2021

Time	Topic	Details
9:30 am - 10:30 am	<p style="text-align: center;">Invited Talk IV : Graphene, the most celebrated Dirac material in Action</p> <p style="text-align: center;">Speaker : Prof. Gour Prasad Das Visiting Professor, Metallurgical and Materials Engineering Physics, Indian Institute of Technology(IIT), Kharagpur Link: https://tinyurl.com/v83r83hv</p>	40 min talk + 10 min discussion
10:30 am - 10:40 am	Break	
10:40 am - 11:30 am	<p style="text-align: center;">Oral Presentation (OP) Link: https://tinyurl.com/mrjbtuj5</p>	8 min Presentation + 2 min discussion for each presentation
10:40 am - 10:50 am	X - Ms. Pranjali Yedewar : Polymethyl methacrylate (PMMA) as a green dielectric for Electrowetting applications	
10:50 am - 11:00 am	XI – Gajanan D. Harale : Study of Particle Acceleration Mechanism during the formation of shocks in galaxy clusters formation	
11:00 am - 11:10 am	XII – Mr. Ashish Thorat : Design and Development of low energy (5 keV to 100 keV) ion accelerator system for 2D material modifications	
11:10 am - 11:20 am	XIII – Mr. Akash Jadhav : Radiation induced studies on Advanced Oxidation Process for the Degradation of effluents present in textile industrial wastewater	
11:20 am - 11:30 am	XIV – Mr. Selwyn Theodore : Thick target yield calculations of ^{211}At using the Excitation function of $^{209}\text{Bi}(a,2n)^{211}\text{At}$ nuclear reaction	

11:30 am - 12:00 pm	<p align="center">Thesis Presentation - III</p> <p align="center">Ms. Shruthi Nair : Lead-free halide perovskite materials for solar cell applications : Experimental and theoretical approach</p>	<p align="center">20 min Presentation + 10 min discussion +10 min extra</p>
12:00 pm - 01:00 pm	<p align="center">Invited Talk V : The solid state avatar of Majorana Fermion</p> <p align="center">Dr. Sourin Das Associate Professor, Indian Institute of Science Education and Research(IISER), Kolkata Link: https://tinyurl.com/hkmnne57</p>	<p align="center">40 min talk + 10 min discussion</p>
01:00 pm - 02:00 pm	Lunch Break	
02:00 pm - 03:30 pm	<p align="center">Poster Presentation (PP08 to PP14) Link: https://tinyurl.com/y5562r5w</p>	
03:30 pm - 4:30 pm	<p align="center">Special Talk : Motivational Interview Yours Truly..... Shri Pramod Purushottam Kale with Prof. Sanjay Dhole at RMC – 2021 Link: https://tinyurl.com/yktnvyd7</p>	
04:30 pm - 04:45 pm	High Tea	
04:45 pm - 05:00 pm	<p align="center">Valedictory Function Link: https://tinyurl.com/48ak4uty</p>	