

(23) Spectroscopy

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DETAILED PROGRAMME

Monday : 12-12-2016
Session I : 10.15-11.45

10.15-10.45 Invited Talk (1)	<u>Rajendra S. Dhaka</u>	ABS-Email-ICYRAM ARPES study of NdNiO ₃ thin films across the metal-insulator transition
10.45-11.15 Invited Talk (2)	<u>Rajeev N Kini</u>	ABS-Email-ICYRAM Studying semiconductors and semiconductor nanostructures systems using Ultrafast and Terahertz spectroscopy
11.15-11.30 Oral (1)	<u>Abdus Salam Sarkar</u> Suman Kalyan Pal	ABS-515-ICYRAM Temperature dependent Raman spectroscopy of chemically modified few-layer MoS ₂

Monday : 12-12-2016
Session II : 12.00-13.15

12.00-12.15 Oral (2)	<u>M Manjunatha</u> B M Siddesh, K P Ramesh Ramakrishna Damle	ABS-277-ICYRAM Zero Field NMR of Carbon Encapsulated Cobalt Nanopowder
12.15-12.30 Oral (3)	<u>Neelima Basavaraju</u> Kaustubh R Priolkar, Aurelie Bessiere, Suchinder K Sharma, Didier Gourier, Bruno Viana	ABS-303-ICYRAM Determining the disorder around Cr ³⁺ in AB ₂ O ₄ (A=Zn, Mg and B=Ga, Al) persistent phosphors by X-ray absorption spectroscopy
12.30-12.45 Oral (4)	<u>Maneesh Chandran</u> Shaul Michaelson Alon Hoffman	ABS-405-ICYRAM A novel method for the fabrication of an ultra-thin nitrogen delta doping layer at shallow depths in single crystal diamond
12.45-13.00 Oral (5)	<u>N J Shivaramu</u> B N Lakshminarasappa	ABS-735-ICYRAM Thermo and Photoluminescence behavior of Ln ³⁺ doped BaAl ₂ O ₄ nanophosphor

Tuesday : 13-12-2016
Session III : 10.15-11.45

10.15-10.45 Invited Talk (3)	<u>Prasun K Mandal</u> Debjit Roy	ABS-641-ICYRAM Understanding Superior Optical Properties of Core/gradient alloy shell/shell Semiconductor Quantum Dots: Ensemble and Single Particle Spectroscopy
10.45-11.15 Invited Talk (4)	<u>Saptarshi Mukherjee</u>	ABS-775-ICYRAM Luminescent Copper Nanoclusters: Versatile Probes for Multidisciplinary Applications
11.15-11.30 Oral (6)	<u>H S Loksha</u> K R Nagabhushana Fouran Singh, Subodh K. Gutam	ABS-738-ICYRAM Investigations on ionoluminescence properties of Dy ³⁺ doped zirconium oxide

Poster Session :
Monday : 12-12-2016 : Time : 14.15-17.15

23-Poster - 01	N M Nanje Gowda Jyothy G Vijayan	ABS-21-ICYRAM Synthesis and characterization of Oxovanadium (IV) complex of N'-[(E)- thiophen-2-ylmethylidene] benzohydrazide
23-Poster-02	Ravikumar Dumpala M S Ramachandra Rao	ABS-136-ICYRAM Spectroscopic and Microscopic Characteristics of CVD Diamond and Residual Stress Measurement
23-Poster-03	Raju Laishram Uday Maitra	ABS-160-ICYRAM Gelation mechanism of metal cholate gels
23-Poster-04	Sumandeep Kaur Amit K Vishwakarma, M Jayasimhadri, A S Rao	ABS-196-ICYRAM Structural and Photoluminescence studies of Sm ³⁺ doped Calcium Alumino-zincate Phosphor
23-Poster-05	Swapnil Singh	ABS-231-ICYRAM Spectroscopic investigation to study the phase transition in bent-core liquid crystal
23-Poster-06	Pranay Biswas Saswata Halder Binita Ghosh T. P. Sinha	ABS-400-ICYRAM Size of the A-site cation tunes the Octahedral Distortion, Vibrational modes and Electrical Properties of Double Perovskite Oxides A ₂ NdSbO ₆ (A= Ba, Sr, Ca)

23-Poster-07	Hemlata P Das , A Thamizhavel	ABS-606-ICYRAM Electronic transport and noise in topological insulator Bi ₂ Te ₂ Se single crystal
23-Poster-08	S Padmashree B S Murty, T Prakash	ABS-677-ICYRAM Crystallite size effect on thermoluminescent behavior of Ca(Eu,Dy)SO ₄ nanocrystals
23-Poster-09	Debjit Roy Prasun K. Mandal	ABS-705-ICYRAM Photoluminescence blinking dynamics of non-blueing, non-bleaching single particles: CdSe based core/gradient alloy shell/shell quantum dots
23-Poster-10	J Laxman Naik G Ramesh B Venkatram Reddy	ABS-723-ICYRAM Investigation of Torsional Potentials, Molecular Dynamics and Vibrational Properties of Pyrrole-2- carboxaldehyde Using Experimental and Theoretical Methods
23-Poster-11	Shivaramu N.J B N Lakshminarasappa K R Nagabhushana Fouran Singh, Subodh K. Gautam	ABS-755-ICYRAM Ionoluminescence as tool for monitoring rare earth emissions in yttrium oxide
23-Poster-12	D Bharathi B Siddlingeshwar	ABS-Email-ICYRAM Fluorescent Carbon Quantum dots nanosensor for the detection of zinc oxide nanoparticles