

## **(06) Photonic Materials**

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**DETAILED PROGRAMME****Monday : 12-12-2016****Session I : 16.00-18.00**

16.00-16.30 Invited Talk (1)	<u>Tony Low</u>	<b>ABS-Email-ICYRAM</b> Strong light-matter interactions with 2D materials
16.30-17.00 Invited Talk (2)	<u>G.V. Pavan Kumar</u>	<b>ABS-Email-ICYRAM</b> Nanowire Emission Engineering: FrenkelExciton-Polaritons
17.00-17.15 Oral (1)	<u>S Mukherjee</u> S Das, S K Ray	<b>ABS-221-ICYRAM</b> Highly Luminescent, Size Tunable MoS <sub>2</sub> Quantum Dots based Optoelectronic Devices
17.15-17.30 Oral (2)	<u>S Divya</u> Deepa Khushalani	<b>ABS-314-ICYRAM</b> Synthesis and Comparative Evaluation of Quantum-Sized Carbon Dots from Glucose Based Saccharides
17.30-17.45 Oral (3)	<u>K Raghavendra Rao</u> H L Bhat Suja Elizabeth	<b>ABS-459-ICYRAM</b> Nonlinear optical properties of biaxial chiral ascorbic acid family crystals: A comparative study
17.45-18.00 Oral (4)	<u>J. S. Rathore</u> Krista R Khiangte R. Fandan, S. Das, R. S. Pokharia S. Bhunia, A. Laha S. Mahapatra	<b>ABS-Email-CYRAM</b> Molecular Beam Epitaxy and Structural Characterization of Ge <sub>1-x</sub> Sn <sub>x</sub> /Ge/Si(001) Heterostructures for Photonic Applications

**Monday : 12-12-2016****Session II: 14.15-16.15**

14.15-14.45 Invited Talk (3)	<u>Rajesh V. Nair</u>	<b>ABS-Email-ICYRAM</b> Tailoring light-matter interactions using three-dimensional photonic crystals
14.45-15.15 Invited Talk (4)	<u>Takuya Nakashima</u>	<b>ABS-Email-ICYRAM</b> Circularly Polarized Luminescence in Soft Materials

15.15-15.45 Invited Talk (5)	<u>Mahesh Hariharan</u>	<b>ABS-Email-ICYRAM</b> Strategies to Reduce the Rate of Charge Recombination
15.45-16.00 Oral (6)	<u>Prajith Karandan</u> T K Adhila Aji. A Anappara Chandrabhas Narayana Harish. C Barshilia	<b>ABS-376-ICYRAM</b> Omnidirectional and polarization insensitive light trapping in silicon nanopillars fabricated by nanosphere lithography and metal assisted etching
16.00-16.15 Oral (7)	<u>P.Ray</u> G Baishali V. Radhakrishna K. Rajanna	<b>ABS-Email- ICYRAM</b> Optimization of Cesium Iodide Photocathode Film for UV Photon Detectors

**Poster Session :**

**Monday : 12-12-2016 : Time : 10.15-13.15**

06-Poster-01	K Devi Renuka Sankarapillai Mahesh Kuruvilla Joseph	<b>ABS-80-ICYRAM</b> Bioresource derived Organic hybrid for Photo-switching of Conductance
06-Poster-02	M S Dileep H M Suresh Kumar	<b>ABS-93-ICYRAM</b> Effect of Gamma Irradiation on Optical Properties of Urea Thiourea Strontium Chloride NLO Crystal
06-Poster-03	Satchi Kumari Reema Gupta, Monica Tomar Vinay Gupta	<b>ABS-115-ICYRAM</b> Febry-Perot modes in PZT/gold Thin Film
06-Poster-04	Kaushal Jha Amit K. Vishwakarma M Jayasimhadri D Haranath	<b>ABS-137-ICYRAM</b> Color tunable emission properties via energy transfer in Dy <sup>3+</sup> /Eu <sup>3+</sup> co-doped ZPBT glasses for n-UV pumped w-LEDs
06-Poster-05	Pawan K Kanaujia G Vijaya Prakash	<b>ABS-211-ICYRAM</b> Non-contact method to micro pattern the Inorganic Organic self-assembled (IOSA) perovskite materials for complex optoelectronic device applications
06-Poster-06	R Rakesh Kumar K Narasimha Rao K Rajanna	<b>ABS-223-ICYRAM</b> Growth of Indium Tin oxide (ITO) Nanowires by Electron Beam Evaporation Method
06-Poster-07	Jiya P Thomas Josmy Jose	<b>ABS-311-ICYRAM</b> Micromirror Based Optical MEMS Technology

06-Poster-08	S Jayakiruba N Lakshminarasimhan	<b>ABS-319-ICYRAM</b> Tunable Emission in Single Host Lattice Phosphor Ba <sub>2</sub> Mg(BO <sub>3</sub> ) <sub>2</sub> :Eu <sup>3+</sup> by Local Symmetry Change Upon Excitation
06-Poster-09	P.S. Patil Shivaraj R Maidur S M Dharmaprakash	<b>ABS-328-ICYRAM</b> Third-order nonlinear optical properties of 4-methyl-3'- nitrochalcone
06-Poster-10	Sariga C Lal Vidhya Lalan G Subodh	<b>ABS-422-ICYRAM</b> Crystal Structure and Optical Properties of Novel Ba <sub>2</sub> RE <sub>2/3</sub> TeO <sub>6</sub> (RE = La, Pr, Nd, Sm, Eu) Double Perovskites
06-Poster-11	Suresh Patil A Rajadurai	<b>ABS-649-ICYRAM</b> Metal corrosion prevention using non- sacrificial photoanode under sunlight
06-Poster-12	Hansnath Tiwari S Asiri Naidu U V Varadaraju	<b>ABS-688-ICYRAM</b> Photoluminescence Studies of BaBi <sub>2</sub> (MoO <sub>4</sub> ) <sub>4</sub> :Eu <sup>3+</sup> Red-Emitting Phosphor
06-Poster-13	C M Nagaraja Manjodh Kaur	<b>ABS-Email-ICYRAM</b> Template-Free Syntheses of Metal Sulfide Nanostructures and their Photocatalytic Study
06-Poster-14	Rekha Kumari Anitha Varghese Louis George	<b>ABS-Email-ICYRAM</b> Studies on photophysical properties of a chalcone derivative using Solvatochromic approaches and its fluorescence quenching by aniline
06-Poster-15	A M Chowdhury Rohit Pant Arjun Shetty Greeshma Chandan Basanta Roul K K Nanda S B Krupanidhi	<b>ABS-Email-ICYRAM</b> Investigation of directional-polarization with photoelectric effect on non-polar GaN thin films with rotated IDEs