

## (17) Organic PV

Chair :

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**DETAILED PROGRAMME****Monday, 16-12-2013****Session I : 10.15 – 11.15**

10.15 - 10.45 Invited Talk (1)	Byung Min Park and <u>Ho Jung Chang</u>	<b>ABS - 1135 - ICA</b> Characteristics of polymer solar cells added with gold nanoparticles in hole transport layer by spin coating method
10.45 - 11.15 Invited Talk (2)	<u>Subodh G. Mhaisalkar</u> Nripan Mathews Pablo P. Boix	<b>ABS - 1591 - ICA</b> Current Progress and Future Perspectives for Organic/ Inorganic Perovskite Solar Cells

**Session II : 11.45 – 13.15**

11.45 - 12.15 Invited Talk (3)	<u>Suresh Chand</u>	<b>ABS - Email - ICA</b> High efficiency in small molecule based organic PV
12.15 - 12.30 Oral (1)	Chanitpa Khantha Viruntachar Kruefu Hathaitip Ninsonti <u>Sukon Phanichphant</u>	<b>ABS - 358 - ICA</b> Flame-made ZnO Nanoparticles in Conjugated Copolymer Bulk Heterojunction Solar Cells
12.30 - 12.45 Oral (2)	S. Pradhan S. Kumar, and <u>A. Dhar</u>	<b>ABS - 426 - ICA</b> Enhanced performance by using a low-bandgap, donor-acceptor co-polymer in Zinc oxide conjugated polymer based solar cell
12.45 - 13.00 Oral (3)	Khadija Kanwal Khanum and <u>Praveen C. Ramamurthy</u>	<b>ABS - 1185 - ICA</b> Nano-net morphology through electrospinning for OPVs
13.00 - 13.15 Oral (4)	<u>N.Kh. Ibrayev</u> E.V. Seliverstova A.A. Ischenko	<b>ABS - 1238 - ICA</b> Using of Förster Energy Transfer for Increasing of Efficiency of Dye Sensitized Photovoltaic Cells

**Session III : 16.00 – 18.00**

16.00 - 16.30 Invited Talk (4)	<u>Satish Patil</u>	<b>ABS - Email 1 - ICA</b> Donor-Acceptor unit for the Rational Design of Conjugated Polymers: Applications in Optoelectronic Devices
16.30 - 16.45 Oral (5)	<u>R. Perumal</u> and Tae Whan Kim	<b>ABS - 1284 - ICA</b> Influence of the P3HT:PCBM weight ratio, hole buffer layer and electron selective layer on the power conversion efficiency in the polymer bulk heterojunction organic solar cells
16.45 - 17.00 Oral (6)	<u>K. Mukherjee</u> P. Das, D. Sengupta B. Mondal	<b>ABS - 1455 - ICA</b> Zinc oxide particulate film based photo-anodes for dye sensitized solar cell

17.00 - 17.15 Oral (7)	<u>C. Vijayakumar</u> A. Saeki and S. Seki	<b>ABS - Email - ICA</b> Gold Nanoparticle Assisted Self-Assembly and Enhancement of Charge Carrier Mobilities of Conjugated Polymer
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## Tuesday 17-12-2013

### Session IV : 10.15 – 11.15

10.15 - 10.45 Invited Talk (5)	<u>S. Sundar Kumar Iyer</u> Anirban Bagui and Anukul Prasad Parhi	<b>ABS - 1536 - ICA</b> Some Examples of Electric Field Annealing in Organic Solar Cell Fabrication
10.45 - 11.15 Invited Talk (6)	<u>K.S. Narayan</u>	<b>ABS - Email - ICA</b> Recent Strategies to Enhance Switching Response in Organic Transistors and Energy conversion Efficiencies in Organic Photovoltaics.

### Poster Session :

#### Monday, 16-12-2013, 14.00-15.30

17 - Poster - 01	S.S. Kalagi, D.S. Dalavi, S.S. Mali, P.S. Patil	Plurichromism and Absorbance behavior of PANI under redox cycling in a binary electrolyte	<b>ABS - 159 - ICA</b>
17 - Poster - 02	Ambily Mathew, Ashwini R, G. Mohan Rao	Correlation between the anodization variables and the surface properties of Titania Nanotube Arrays for Dye sensitized solar cells	<b>ABS - 420 - ICA</b>
17 - Poster - 03	Vinamrita Singh, Swati Arora and R.P. Tandon	Degradation analysis of f-SWNT based P3HT:PCBM organic solar cells	<b>ABS - 461 - ICA</b>
17 - Poster - 04	Rambabu Kuchi, Jong-Ryul Jeong	Highly efficient uniform ZnO nanostructures for an electron transport layer of inverted organic solar cells	<b>ABS - 660 - ICA</b>
17 - Poster - 05	Basudev Pradhan and Dieter Neher	Inverted organic solar cells using low temperature annealed ZnO film as an electron transport layer	<b>ABS - 722 - ICA</b>
17 - Poster - 06	Saritha Gachumale, Anandan Sambandan	Synthesis and characterization of new organic dyes for Dye-sensitized solar cell applications	<b>ABS - 865 - ICA</b>
17 - Poster - 07	Aniket Rana, Richa Baronia, Renu Pasricha, Rajiv Kumar Singh	Enhancement of efficiency in Organic Solar Cell due to Plasmonic effect of Gold Nanorods	<b>ABS - 1180 - ICA</b>
17 - Poster - 08	D.A. Afanasyev, N.Kh.Ibrayev	Investigation of Influence of thermally annealing on Optical and Mechanical Properties of TiO <sub>2</sub> Films	<b>ABS - 1349 - ICA</b>

17 - Poster - 09	A.K. Aimukhanov, T.M. Serikov, N.Kh. Ibrayev	Effect pastes in dye sensized solar cells	<b>ABS - 1349a - ICA</b>
17 - Poster - 10	P.M. Aneesh, C. Ram Kumar, K. Vivek, P.C. Reshmi Varma and Manoj A.G. Namboorthiry	Power conversion efficiency enhancement in plasmonic nanostructures incorporated organic solar cells	<b>ABS - 1452 - ICA</b>