

# TATA INSTITUTE OF FUNDAMENTAL RESEARCH

Homi Bhabha Road, Mumbai-400 005

November 18, 2017

## ASET Colloquium

- Speaker** : **Dr. Vinay Gupta** (*CSIR-National Physical Laboratory, New Delhi*)
- Title** : **The Evolution of Organic Photovoltaic**
- Date & Time** : **Friday 24 November 2017 at 16:00 hrs.**
- Venue** : **Lecture Theater (AG-66)**

### Abstract :

Thin film Organic and hybrid photovoltaic offer a possibility of low cost, printable, light weight, and flexible photovoltaic devices. A significant development has been made in the last few years with efficiency crossing 20% barrier. We, at National Physical Laboratory, have established a state-of-the-art clean-room solar center with efficiency validation facility which is accessible to outside researchers. In the talk, I will highlight the present status of the OPV technology and the role of NPL.

### About the Speaker:

Dr. Vinay Gupta is a Senior Scientist in the Advanced Materials and Devices Division, CSIR-NPL. His major research interests are Organic and hybrid solar cells, Energy storage materials and Graphene. He obtained his M. Sc. (1992) and Ph.D. (1997) from M.D.S.University, Ajmer. Dr. Gupta worked at several prestigious institutes in Germany, Japan and US on fellowships as well as on visiting positions. He won several awards including Shanti Swarup Bhatnagar Award (2017), Venus International Research Award (2017), Science and Technology Excellence Award (2016), Thomson Reuters Research Excellence India Citation Award (2015), Indo-US IUSSTF Fellowship (2012-13), and NASI-SCOPUS Award (2011). Dr. Gupta has 85 peer reviewed papers, 5 book chapters and a patent to his credit.



Dr. Satyanarayana Bheesette  
(Coordinator, ASET Forum)