

## 9<sup>th</sup> December 2018, Sunday

**9:45 Pickup from hotel**

10:30 - 10:55 Registration and Tea

10:55 – 11:00 Opening remarks in **AG-66** (Ground floor TIFR)

11:00 – 11:45	<b>Masayoshi Tonouchi</b> , Osaka Univ Laser Terahertz Emission Microscope for Real World Application
11:45 – 12:10	<b>Ranjan Singh</b> , NTU Superconductor Terahertz Photonics
12:10 -- 12:35	<b>Dibakar Roy Chowdhury</b> , Mahindra Ecole Near Field Capacitive and Inductive Coupling in Terahertz Metamaterials
12:35 – 13:00	<b>Sunil Kumar</b> , IIT Delhi THz emitters for nonlinear spectroscopy
13:00 – 14:00	<b>Lunch</b>
14:00 – 14:25	<b>Svend-Age Biehs</b> , Oldenberg Magneto-optical control of thermal radiation at the nanoscale
14:25 – 14:50	<b>Gururaj V Naik</b> , Rice Univ Extreme asymmetry and anisotropy for taming thermal radiation
14:50 --15:15	<b>Karthik Sasihithlu</b> , IIT Bombay Modeling of coupling of surface polaritons as a harmonic oscillator system and its application to near-field heat transfer and van der Waals force
15:15 – 15:40	<b>Shourya Duttgupta</b> , IIT Hyderabad Active modulation of light using graphene integrated plasmonic metasurfaces
15:40 --16:10	<b>Tea</b>
16:10 – 16:35	<b>Parinda Vasa</b> , IIT Bombay Surface Plasmon Polariton Mediated Light-Matter Interactions in Metal-MoS <sub>2</sub> Monolayer Hybrid Nanostructures
16:35 – 17:00	<b>Katsumasa Fujita</b> , Osaka Univ Super-resolution confocal microscopy using nonlinear optical effects
17:00 – 18:30	<b>Posters in Homi Bhabha Auditorium Foyer</b>
19:00 -	<b>Welcome reception in TIFR guest house</b>
21:00	<b>Drop at hotel</b>

## **10<sup>th</sup> December 2018, Monday**

8:45 Pickup from hotel

9:15 – 10:00	<b>Girish S Agarwal</b> , Texas A&M Control of Fundamental Light Matter Interactions: Quantum Emitters at Meta Materials
10:00 – 10:25	<b>Ambarish Ghosh</b> , IISc Mobile plasmonic tweezers for active nanoimplantation
10:30 – 11:00	<b>Tea</b>
11:00 – 11:25	<b>S. Dutta Gupta</b> , Univ. of Hyd & TIFRH Transverse spin in PT-symmetric systems
11:25 – 11:50	<b>Vladimir Belotelov</b> , Russian Quantum Centre Manipulation of spins in magnetic nanophotonic structures with fs-laser pulses
11:50 – 12:15	<b>Amit Agrawal</b> , CNST Ultrafast Optical Pulse Shaping using Dielectric Metasurfaces
12:15 – 12:40	<b>Mikhail Kozhaev</b> , Russian Quantum Center Magnetoplasmonic crystals and quasicrystals
12:40 – 13:05	<b>Masanori Ozaki</b> , Osaka Univ Metasurface based on Self-organized Helical Nano-structure with Patterned Helix Phase
13:05 – 14:15	<b>Lunch</b>
14:15 – 14:40	<b>Shi-Wei Chu</b> , NTU, Taiwan Nonlinear plasmonics for deep-tissue super-resolution imaging
14:40 – 15:05	<b>Uday Khankhoje</b> , IITM Microwave Imaging for Breast Cancer Detection
15:05 – 15:30	<b>Nicholas Smith</b> , Osaka Univ Raman spectroscopic analysis of functional RNA domains: structure and composition revealed by all-optical methods
15:30 – 15:55	<b>Vini Gautam</b> , ANU Brain-on-a-chip: engineering neuronal circuits on nanowire grid metasurfaces
16:00 – 16:30	<b>Tea</b> (Core to core member meeting)
17:00 – 18:45	<b>Posters in Homi Bhabha Auditorium Foyer</b>
19:30 – 23:30	<b>Banquet in Fariyas</b>

## **11<sup>th</sup> December 2018, Tuesday**

8:45 Pickup from hotel

9:15 – 9:40	<b>M. Manjappa, NTU</b> Reconfigurable MEMS Fano metasurface for digital logic gate operations at THz frequencies
9:40 – 10:05	<b>Dhanveer. S. Rana, IISER, Bhopal</b> Low Energy Collective and Free Electron Phases in Rare-earth Nickelates probed by Terahertz Spectroscopy
10:05 – 10:40	<b>Tea</b>
10:40 – 11:05	<b>G. V. Pavan Kumar, IISER, Pune</b> Plasmon-Activated Colloidal Assembly and Dynamics
11:05 – 11:30	<b>Nirmalya Ghosh, IISER, Kolkata</b> Polarization tailored Fano resonance in Plasmonic crystals
11:30 – 11:55	<b>Jianjun Chen, Peking Univ</b> On-chip quantum dot lasers and configurable integration
11:55 – 12:20	<b>Zheyu Fang, Peking Univ</b> Plasmonic Hot Electrons Doping of 2D Materials
12:20 – 12:45	<b>Yasushi Inouye, Osaka Univ</b> Advanced Surface Plasmon Resonance Sensing for Enormous Enhancement of Resolution and Electric Field
12:45 – 14:00	<b>Lunch</b>
14:00 – 14:25	<b>Atsushi Taguchi, Osaka Univ</b> Plasmonics in deep UV
14:25 – 14:50	<b>Anshuman Kumar, IIT Bombay</b> Valley plasmonics with 2D materials
14:50 – 15:15	<b>Hong-Bo Sun, Tsinghua Univ</b> Ultrafast Nanophotonics: Manufacture, Measurement and Manipulation with fs lasers
15:15 – 15:45	<b>Tea</b>
15:45 – 18:45	<b>Free time</b>
19:30	<b>Dinner in TIFR guesthouse</b>
21:00 --	<b>Drop at hotel</b>