

# Best Poster Award

IWPSD -2019

Sl.No	Name	Affiliation	Title of the Poster
<b>Optoelectronics</b>			
1	<b>Sourabh Pal</b>	IIT Kharagpur	Self-biased photoresponsivity of 2D SnO nanosheets based broadband photodetector utilizing piezo-phototronic effect
2	<b>Nasima Khatun</b>	IIIT Madras	Enhanced hydrogen production of Ga doped TiO <sub>2</sub> using MXene as a co-catalyst by water splitting
3	<b>Sudipta Chakrabarty</b>	IIESR Kolkata	Photo enhanced negative resistance in reduced graphene oxide coated Si nano-rods
<b>2D materials</b>			
4	<b>Amritanand Sebastian</b>	Penn State University	Gaussian Synapses for Probabilistic Neural Networks
5	<b>Tuhin Kumar Maji</b>	SNBNCBS Kolkata	Effect of Functional Ligands of Graphene Oxide (GO) in GO/MoSe <sub>2</sub> Heterostructure to modulate Electronic, Optical and Transport properties
6	<b>Sahin Sorifi</b>	IIT Delhi	Broad band photodetector based on mechanically exfoliated GaSe nanosheets
<b>Device Modelling and Simulation</b>			
7	<b>Alka Jakhar</b>	IIT Delhi	Optimized design, Analysis and Simulation of broadband Antennas to integrate with Terahertz Detectors
8	<b>AAkashdeep Gupta</b>	IIT Madras	Analysis and Modeling of Dynamic Thermal Coupling in Trench Isolated Multi-Finger Bipolar Transistors
9	<b>Narasimhulu Thoti</b>	National Chiao Tung University, Taiwan	Scaling and short channel effects in Multi-channel Tunnel FETs
<b>Crystal Growth and Epitaxy</b>			
10	<b>Sucheta Sengupta</b>	Amity University, Noida	Optimizing II-VI semiconductor heterojunction thin films by chemical bath deposition for photovoltaic and sensor applications
11	<b>Amal Das</b>	IIT Madras	Growth and characterisation of c-axis oriented Mo/AlN/Mo stack on Si (100) substrate by using radio frequency (RF) magnetron sputtering technique for high frequency resonator application

**Note:** Participants who have not collected the Best Poster Awards may receive the same by postal service. Request for receiving the awards by post has been made to the email ids [secretary.iwpsd2019@bose.res.in](mailto:secretary.iwpsd2019@bose.res.in) (with a copy to [iwpsd2019@gmail.com](mailto:iwpsd2019@gmail.com)) by 15/01/2020. Please note that full postal address (preferably institutional) has to be provided in the request email. Failing to provide proper postal address may lead to delivery failure.

Sensors & Bio-electronics			
12	<b>Pallavi Dasgupta</b>	IISc, Bangalore	A non-enzymatic electrochemical sensor for Serum Creatinine
13	<b>Snehanjan Acharyya</b>	IIT Kharagpur	2-Propanol detection with NiO decorated SnO <sub>2</sub> microspheres for indoor air quality monitoring applications
14	<b>Ajoy Mandal</b>	IIT Kharagpur	Organic field-effect transistors with integrated donor/acceptor chromophores-decorated triazolyl unnatural nucleosides for HSA sensing
Emerging Materials & Devices			
15	<b>Arundhati Adhikari</b>	SNBNCBS Kolkata	Investigation of Band Gap Tunability with Bias Field Angle in a Pseudo One Dimensional Magnonic Crystal
16	<b>Prasanta Kumbhakar</b>	IISER,	Quantum point contact-superconducting coplanar wave guide resonator system for quantum-
17	<b>Amrit Kumar Mandal</b>	SNBNCBS Kolkata	Reconfigurable Magnonics: Field-Bifurcation in Tilted Ni <sub>80</sub> Fe <sub>20</sub> Nanodot Array
18	<b>Ananya Patra</b>	IISc, Bangalore	High temperature dielectric studies in nanocomposites of LaNiO <sub>3</sub> and CoFe <sub>2</sub> O <sub>4</sub>
19	<b>Avijit Dhara</b>	IIT Kharagpur	Micocavity exciton-polariton in the regime of strong light matter coupling
Photovoltaics, Flexible and Organic Devices			
20	<b>Garikapati Nagasarvari</b>	IIT Madras	Metal oxide-polymer nanocomposites for encapsulation of printed electronic devices
21	<b>Durga Prasad Khatri</b>	IIT Bombay	Critical Assessment of Firing Processes for High Efficiency Screen Printed Industrial Crystalline Silicon Wafer Solar Cells
22	<b>Harsh Chittora</b>	IIT Kanpur	Equivalence between constant phase element and transmission line models in impedance spectroscopy analysis
Compound Semiconductors			
23	<b>Anway Pradhan</b>	SINP Kolkata	Effect of spontaneous superlattice ordering on the optical properties of MOCVD grown Al <sub>0.2</sub> Ga <sub>0.8</sub> As/GaAs (100)
III-Nitrides: Materials and Devices			
24	<b>Jayjit Mukherjee</b>	SSPL DRDO	Kink effect and drain current evolution on passivated and unpassivated AlGaN/GaN HEMTs
25	<b>Amit P. Shah</b>	TIFR Mumbai	Rhenium-based low temperature ohmic contacts to n-GaN
26	<b>Himadri Chakraborti</b>	IIT Bombay	Breakdown of Fermi liquid picture in long InN nanowire
VLSI & ULSI Devices			
27	<b>Mandar S. Bhoir</b>	IIT Gandhinagar	The Impact of Technology Scaling on Analog Performance of UTBB FD-SOI MOS transistors

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