

## Poster Sessions

**Friday, 4 March, 2016**

Poster no.	Ref no	Name	Title
P01	040368	Sumithra Sivadas Menon, Anna University	Current- Voltage characteristics of PEDOT:PSS Thin Film on Si-GaN Heterojunction
P02	040315	Deepak Bharti, IIT Jodhpur	Dependence of Crystallinity and Electrical Performance in Organic Field-effect Transistors on Structural Dissimilarity of the Additive Solvent
P03	040316	S. Deb, IITB	Large Monolayer MoS <sub>2</sub> Films on Diverse Substrates
P04	040369	Pinke Prince Mani, NIT Kurukshetra	Inspection of Industrial Smoke Emission Using Android Controlled Sensors
P05	040391	Abhishek. D Manipal University	Simulation of some optical system by Ray Transfer Matrix Analysis Technique
P06	040327	Garima, Banasthali Vidyapith	Design Of a Transimpedance Amplifier Using Cadence(Virtuoso)
P07	040337	Jayshree, Banasthali Vidyapith	Devices and Display Energy Saving Technologies: Organic Light Emitting Diode (OLED)
P08	040317	Vivek Raghuvanshi, IIT Jodhpur	Flexible Organic Field-effect Transistors with High Electrical Stability under Mechanical Strain
P09	040366	Ritu Verma, NPL	Small molecule based vertically stacked Organic Light Emitting Transistor
P10	040335	Mahendra Singh Yadav, Jaypee University	Synthesis and Optical Characterization of Zinc Oxide Nanoparticles
P11	040322	O. Halder, IITBBS	Magnetic behaviors in atomically thin Mn doped CdSe nanosheets
P12	040353	Saravanan Rajamani IITJ	Germanium Gate Optically Controlled Field Effect Transistors using TCAD
P13	040324	Anjali, Banasthali Vidyapith	Structural and Optical Characterization of Graphene Oxide Synthesized via Hummers method
P14	040347	Arpitha Shetty, Manipal University	Effect of oxygen flow rate on sputtered NiO thin films
P15	040350	C.S. Pathak, IITD	Optimization and Electrical characterization of Graphene oxide – PEDOT:PSS Films
P16	040402	Prof. Ramakrishnan Ganesan, BITS, Hyderabad Campus	Direct nanoimprinting of semiconducting oxides – A universal approach!
P17	040374	K. Chandra Sekhar, NIT Kurukshetra	Mixer Design using Double Gate FET
P18	040331	Dipankar Talukdar, NIT Rourkela	An Analytical Gate Tunneling Current Model for Re S/D SOI MOSFET Having Ultrathin Gate Oxide
P19	040336	Musa Abubakar Bilya, JNU jodhpur	Determination Of The Band-Gap of a Semiconductor: Germanium Chip Using Four Probe Set-Up
P20	040372	Intu Sharma, IITD	Gas sensing and optical properties of varying sizes ZnO and SnO <sub>2</sub> nanoparticles
P21	040362	Mahipal Singh Deora, JNVU, Jodhpur	Low temperature growth and influence of particle size on CdSe nanoparticle thin films for solar cell application.
P22	040360	Chaya Ravi Gobbiner, Manipal University	Effect of oxygen partial pressure on structural and optical properties of ZnO thin films

P23	040371	Sunil Kumar, IITD	Bismuth Telluride Nanostructures: Synthesis and Thermoelectric Characterization
P24	040376	Thrapthi, Manipal University	Structural and Electrical Properties of Gd Doped $\text{Pr}_{0.8-x}\text{A}_x\text{Sr}_{0.2}\text{MnO}_3$
P25	040361	Parmod Kumar, IUAC	Investigations on Structural, Optical and Magnetic Properties of C implanted ZnO thin films
P26	040364	Khushboo Agarwal, IITD	Nanosopic and Macroscopic Study of the effect of Carbon and Silicon on Structural, Electrical and Thermoelectric Properties of Bismuth Telluride Thin Films
P27	040367	Spoorthi K, Manipal University	Nonlinear optical studies on electron beam irradiated gallium zinc oxide thin film investigated using z-scan technique
P28	040385	Rekha Bai, IIT Delhi	Synthesis and Characterization of Nanostructured CdSe Thin Films by Electrochemical Deposition Technique
P29	040382	E. Papanasam, IIITDM Kancheepuram	Electrical Characteristics of Pd/Al <sub>2</sub> O <sub>3</sub> /6H-SiC MIS Capacitors
P30	040378	Prathviraj, Manipal University	Influence of substrate temperature on structural and optical properties of CdZnO thin films prepared by spray pyrolysis
P31	040388	Manoj Vishwakarma, IIT Delhi	TEM investigation in growth of secondary phases in as deposited and sulphurized CZTS thin films
P32	040341	Sapana Ranwa, IIT Jodhpur	To study impact of SHI induced surface tailoring on enhanced gas sensitivity of ZnO thin film based hydrogen sensor
P33	040399	Anita Gurnani, CU Rajasthan, Ajmer	Synthesis of Cadmium Sulfide and Copper (I) Sulfide Nano-particles for Photovoltaic Devices
P34	040332	Sradhanjali Mohapatra, NIT Rourkela	Analog and RF Performance of Dual Metal Quadruple Gate (DMQG) MOSFETs
P35	040390	Akshay.M, Manipal University	Implementation of ray transfer matrix analysis technique using the MATLAB
P36	040333	Petla Ravi Chandra, NIT Rourkela	Design of A Photosensitive Junction-less Doping-less Tunnel Field Effect Transistor (TFET) for Near Infra-Red Sensing Application
P37	040404	Khushbu, Mody University of Science and Technology	Mitigation of Coffee-Ring-Effect in SWCNT Thin Film using Self Assembled Monolayer (SAM)
P38	040405	Manan Mehta IITD	Vacuum Hydrogen Annealed Titanium Dioxide Nanocrystal for Enhanced Photoelectrochemical and Photocatalytic Performance

**Saturday, 5 March 2016**

Poster no.	Ref no	Name	Title
P01	040328	Surajit Das, CEERI, Pilani	Laser dicing for the next generation semiconductor material
P02	040330	KS Manoj, Kongu Engineering College	Production Of Electricity By Waste Heat
P03	040352	Navita Jain, RTU Kota	Facile Synthesis and Characterization of Magnesium Oxide Nanostructures for Optical Applications

P04	040340	R. Angayarkanni, Anna University	Nafion/Solid Acid Composite Membrane For Fuel Cell Applications
P05	040381	Shifali J.K, Manipal University	Studies on Growth and Characterization of Single Crystal of Potash Alum
P06	040379	Hemanth Kumar C.P, Manipal University	Effect of Gamma Irradiation on Structural and Optical Properties of Potash Alum Crystal
P07	040383	Harsha Kumari, Manipal University	Studies on Growth and Characterization of Single Crystal of Potassium Dihydrogen Ortho Phosphate
P08	040384	Nishant Saini, IIT Delhi	Efficient Photoelectrochemical Water splitting using FeOOH decorated Hematite Thin Films photoanodes
P09	040377	Tejaswini Sanil K N, Manipal University	Structural and Electrical Properties of Dy Doped $\text{Pr}_{0.8-x}\text{A}_x\text{Sr}_{0.2}\text{MnO}_3$
P10	040373	Intu Sharma, IITD	Growth of $\text{MoS}_2$ patterns with stencil mask lithography and investigation of $\text{MoS}_2/\text{ZnS}$ hetero-junction for surface photo-voltage with KPFM
P11	040370	R. Janani, Anna University	Photocatalytic activity of $\text{Ga}_{1-x}\text{Zn}_x\text{N}_{1-x}\text{O}_x$ nitride by methylene blue degradation under Solar irradiation.
P12	040386	Nisha Kodan, IIT Delhi	Structural and Optical Properties of Heterostructured $\text{TiO}_2\text{-CdS}$ Thin Films Prepared by RF Sputtering
P13	040387	Suman Devi Dagar, Banasthali Vidyapith	Synthesis of High density Zinc Oxide Nanorods for optoelectronic application
P14	040389	Lalit Goswami, Delhi Technological University	Epitaxial growth of GaN nanostructures on $\text{Si}_3\text{N}_4/\text{Si}$ (111) substrate by PAMBE system
P15	040392	S. S. Lamba, SSPL	Optimization of Etch Selectivity of PECVD deposited Silicon Nitride films for MEMS Applications
P16	040302	Saurabh Bhardwaj, CEERI, Pilani	Ar based RIE of thin and thick AlGaIn/GaN HEMT structures
P17	040303	Manmohan Agrawal, CEERI, Pilani	Structure and polarization engineering of AlGaIn backbarrier in GaN HEMTs
P18	040306	Sumithra Sivadas Menon, Crystal Growth Centre, Anna University	Properties of Cobalt Doped $\text{Ga}_{1-x}\text{Zn}_x\text{N}_{1-x}\text{O}_x$ Solid Solution Prepared by Solution Combustion Technique
P19	040311	B.K. Barick, IITB	Structural and electronic properties of InN epilayer grown on c-plane sapphire by CVD technique
P20	040312	Mukesh Kumar, IITD	Coaxial GaN/Ga <sub>2</sub> O <sub>3</sub> nanowires with millimeter length for nanoscale optoelectronic device applications
P21	040314	Ramesh Ch, NPL	Photoluminescence spectroscopy studies of Homoepitaxial GaN Nanowall Network grown by Laser Molecular Beam Epitaxy
P22	040318	Shivesh Yadav, IITB	Vapor-Liquid-Solid growth of GaN nanowires using Cobalt phthalocyanine as catalyst
P23	040320	S. Pradeep , Anna University	InAlN/GaN heterostructures grown by Metal Organic Chemical Vapour Deposition (MOCVD)
P24	040321	Chandan Sharma, SSPL	Kink Effect Characterization and Influence of Measurement Conditions on GaN HEMT Devices
P25	040326	Prashant Tyagi, NPL	Low Temperature epitaxial Growth and Characterization of AlGaIn Layers by Laser Molecular Beam Epitaxy
P26	040344	B.S. Choudhary, RTU Kota	Scanning tunneling microscopy studies of Homoepitaxial and Heteroepitaxial GaN layers grown by Laser MBE

P27	040346	Vijendra Singh Bhati, IITJ	RF sputtered TiO <sub>2</sub> nanorods for hydrogen sensor
P28	040348	R. K. Saroj, IITB	High quality epitaxial growth of ZnO layers on c-plane GaN/sapphire substrates by chemical vapor deposition technique
P29	040349	Manjari Garg, IITD	Study of temperature dependent current transport process in Cu/AlGaIn/GaN Schottky barrier diodes
P30	040354	Arvind Sharma M, NIT Kurukshetra	Computer Vision Guided Navigation System For Visually Impaired
P31	040355	Prathamesh Gawade, NIT Kurukshetra	A Computational Technology to Fight Lung Cancer at Initial Stages
P32	040357	Ravi Ranjan Kumar, NIT Kurukshetra	Fusion of Multiple Features of Palm for Biometric Recognition System
P33	040359	Yash Verma, NIT Kurukshetra	Detection of Fishes in Undersea Videos Using The Techniques of Image Processing
P34	040343	Mahendra Singh Yadav, RTU Kota	Temperature based synthesis and characterization of Cadmium Sulphide Nanoparticles
P35	040400	Kanak Kaushik, BanasthaliVidyapith	A first-principles study of chlorine sensing properties of zigzag boron phosphide nanoribbons
P36	040338	Jayshree, Banasthali Vidhyapith	Design and Simulation of ggNMOS Protection Circuit for LVDS transmitter using 180 nm Technology
P37	040339	Ashutosh Kumar, IIT Delhi	Electrical, optical and low frequency noise characterizations of nanoscale devices based on GaN and InGaIn/GaN nanopillars fabricated using top-down approach
P38	040403	B. R. Tak, IITD	Investigation of structural and optical properties of pulsed laser deposited gallium oxide thin films