

	First Name	Last Name	Abstract Title	Abstract Topic	Abs (Sort)	Full Paper?
MS/1	Sakena	Abdul Jabar	Comparison Analysis Static and Dynamic Model of Wideband Travelling Wave Semiconductor Optical Amplifier	Modelling and Simulation	Y	NA
MS/2	Sudeb	Dasgupta	Performance Analysis of 4 x 4 bit Array Multiplier Units using various Full-Adder Cells at 70 nm Scale	Modelling and simulation	Y	Y
MS/3	Sanjoy	Deb	Effects of Electronic State Modulation on the High Frequency Response of Two-dimensional Hetero Junctions in GaAs Quantum Wells	Modelling and simulation	Y	Y
MS/4	Sudeb	Dasgupta	Robustness Comparisons of Bulk CMOS and DGFinFET Technologies with Circuit Co-Design for Energy Efficient Subthreshold Logic	Modelling and simulation	Y	Y
MS/5	Aveek	Chatterjee	A Physics-Based Comprehensive Mobility Model for 4H-SiC MOSFET	Modelling and simulation	Y	Y
MS/6	Sudip	Kundu	Optimized Bandgap Engineered AlGaIn/GaN HEMT for High Power Amplifier at Ka-Band Applications	Modelling and simulation	Y	Y
MS/7	Munmun	Dey	Impact of strain on charge centroid location and measured gate oxide thickness in strained-Si/SiGe capacitors	Modelling and simulation	Y	Y
MS/8	R. K	Ghosh	Characterization, Modeling and Simulation of Noise in HFETs	Modelling and simulation	Y	NA
MS/9	AdityaSankar	Medury	Ultra-Thin-Body Symmetric Double-Gate MOSFETs: A Perturbation based device model incorporating quantization effects	Modelling and simulation	Y	Y
MS/10	Rajesh	Singh	Two-dimensional simulation studies of SiO2 etching in inductively coupled C2F6 plasma	Modelling and simulation	Y	Y
MS/11	Palash	Das	Novel ideation of Phosphor free InGaN / GaN Multiple Quantum well based white LED	Modelling and simulation	Y	Y
MS/12	Jithin	Joseph	Compact Drain Current Modeling in Long Channel SOI Double Gate FET for sub 40nm Gate Width	Modelling and simulation	Y	Y
MS/13	Anjan	Chakravorty	Physics-based Modeling of Carbon Nanotube FET	Modelling and simulation	Y	Y
MS/14	Anjan	Chakravorty	HIPAX: Simple, Accurate and Automated Parameter Extraction for HICUM/L2	Modelling and simulation	Y	Y
MS/15	Vijay	Lamba	Non-Equilibrium Charge Transport Calculations for Nano-Systems	Modelling and simulation	Y	Y
MS/16	Vijay	Lamba	Modeling of Molecular Devices Using GAUSSIAN-98	Modelling and simulation	Y	Y
MS/17	Sudhansh	Sharma	Gate-Underlap Double Gate GOI MOSFETs for Enhanced Short Channel Immunity	Modelling and simulation	Y	Y
MS/18	Md. Ahsan	Uddin	Study of 2DEG at InGa1-xInN and GaN/InN Heterointerface	Modelling and simulation	Y	Y
MS/19	Manju	Arora	Band Structure of Carbon Nanotubes: A Tight Binding Approximation	Modelling and simulation	Y	NA
MS/20	Sriputa	Goswami	Impact of structural dimensions, channel doping concentration and bias voltages on SCEs of nanoscale FD SOI-MOSFETs	Modelling and simulation	Y	Y
MS/21	Anjan	Chakravorty	Analysis of LCR Network for Modeling Non-Quasi-Static Effects in SiGe-HBTs	Modelling and simulation	Y	Y
MS/22	Santosh	Vishvakarma	Modeling of Subthreshold Leakage Current for Nanoscale Dual Gate HICANs Double Gate MOSFET	Modelling and simulation	Y	Y
MS/23	Sudeb	Dasgupta	Gate Replacement and Input Vector Control for Optimization of PDP in Digital Logic at 90 nm Technology node	Modelling and simulation	Y	Y
MS/24	M. GANESH	MADHAN	Circuit Modeling and Simulation of Vertical cavity Semiconductor Optical Amplifiers	Modelling and simulation	Y	Y
MS/25	Kirti	Basu	Optimization of NMOS for 45nm Technology Node using TCAD Simulation	Modelling and simulation	Y	Y
MS/26	Abhijit	Biswas	Effects of back gate bias and surface roughness on the threshold voltage of nanoscale DG MOSFETs	Modelling and simulation	Y	Y
MS/27	Mridul	Sengupta	Effects of Rapid Thermal Annealing on the Performance Enhancements in FinFETs	Modelling and simulation	Y	Y
MS/28	VANDANA	NATH	Improved Polarization dependent DC modeling of AlGaIn/GaN HEMT	Modelling and simulation	Y	Y
MS/29	Sourabh	Khandelwal	Statistical Flicker Noise Modeling for RF Silicon-on-Insulator Technologies	Modelling and simulation	Y	Y
MS/30	Kausik	Majumdar	Self-Consistent Electronic Structure of Graphene Nanoribbon Devices	Modelling and simulation	Y	Y
MS/31	Srabani	Pandit	An Analytical Model of Subthreshold Surface Potential along the Width of a Small Geometry MOSFET Taking into Account the Non-Uniformity of the Depletion Region	Modelling and simulation	Y	Y
MS/32	Zahid	Mahmood	A NOVEL In0.1Ga0.9InN HIGH ELECTRON MOBILITY TRANSISTOR FOR HIGH FREQUENCY APPLICATIONS	Modelling and simulation	Y	Y
MS/33	Srikantsh	Srihari	Resistance components of MOSVAR in RF SOI Technology	Modelling and simulation	Y	Y
MS/34	GANESH	PATIL	A SPICE Level-1 Model of 4H-SiC MOSFET for Circuit Simulation	Modelling and simulation	Y	Y
MS/35	Ramasubramanian	Swaminathan	An abinitio study on electronic and optical properties of layered oxycalcogenide	Modelling and simulation	Y	Y
MS/36	Rajan	Pandey	Modeling of Gate Induced Drain Leakage in Si n-MOSFETs	Modelling and simulation	Y	Y
MS/37	MarjulaRani	Kandachar	Study of Narrow Width Dependence of Hot-Carrier Degradation in 65nm Technology	Modelling and simulation	Y	Y
MS/38	Sudeb	Dasgupta	Effect of Gamma Radiation on 25nm Omega FinFET: 3D Simulation Study	Modelling and simulation	Y	NA
MS/39	Edmund	Samuel	Exploration of nanowire for Optoelectronic Devices	Modelling and simulation	Y	Y
MS/40	Samrat	Sabat	A Comparative study of stochastic optimization techniques for parameter extraction of MESFET model	Modelling and simulation	Y	Y
MS/41	Sapna	Giapta	A Study on Temperature Dependent 1-D Simulation for GaN/Al0.3Ga0.7N Multilayer Nano-Heterostructure	Modelling and simulation	Y	NA
MS/42	Anoop	Garg	A 2-D analytical potential model for symmetric double gate MOSFET	Modelling and simulation	Y	Y
MS/43	M	Husain	Parametrically driven non-linear vibrations of Carbon Nanotubes	Modelling and simulation	Y	NA
MS/44	Ajal Kumar	Pandey	High frequency MMIC passive components' modelling using modified transmission line de-embedding approach	Modelling and simulation	Y	NA
MS/45	Saiyabrata	Jit	Analytical Modeling of 2D Channel Potential of DG MOSFETs with a Gaussian-like Vertical Electric Profile	Modelling and simulation	Y	Y
MS/46	Gaurav	Pendharkar	Study of Optical properties of different nanostructures for Biomedical application	Modelling and simulation	Y	Y
MS/47	Mohit	Bajaj	A Modified Local Density Approximation based Channel Quantization Model for Nanoscale MOSFETs	Modelling and simulation	Y	Y
MS/48	Ali A. Orooji		A Novel Triple Graded Channel Surrounding Gate Transistor	Modelling and Simulation	Y	Y
MS/49	Ali A. Orooji		Novel Attributes in Carbon Nanotube Field Effect Transistor with Overlapping	Modelling and Simulation	Y	Y
MS/50	Ali A. Orooji		Novel Attributes in GaN Recessed-Gate MESFET with Narrow Channel Layer	Modelling and Simulation	Y	Y
NANO/1	Ranjit	Thapa	Field emission from AlN nanowires/ Ni nanocomposite	Nano -Technology and Emerging Areas	Y	Y
NANO/2	sanjib	kabi	Effects of Strain on the Band offsets of Annealed and Non-Annealed III-V Nanostructures	Nano -Technology and Emerging Areas	Y	Y
NANO/3	Sananda	Jana	Fabrication of fishbone like wide band gap PbS microcrystals by solvothermal route	Nano -Technology and Emerging Areas	Y	Y
NANO/4	Diptomi	Banerjee	Amorphous carbon nano / micro spheres and study of its field emission properties	Nano -Technology and Emerging Areas	Y	Y
NANO/5	Nirmalya	Das	Effect of phosphorus doping on the structural and electrical properties of nickel oxide thin films	Nano -Technology and Emerging Areas	Y	Y
NANO/6	Hasanah	Virani	Optimization of Hetero Junction P-channel Tunnel FETs using High k spacers	Nano -Technology and Emerging Areas	Y	Y
NANO/7	Garima	Bandhawaka	A Theoretical model of a Double-Gate MOSFET	Nano -Technology and Emerging Areas	Y	Y
NANO/8	N. Basanta	Singh	Single Electron Threshold Logic Based Digital Computer	Nano -Technology and Emerging Areas	Y	Y
NANO/9	Srinivas	Ganguly	Source/drain contact engineering for silicon/germanium spin transistors	Nano -Technology and Emerging Areas	Y	Y
NANO/10	Chirukhanlum	Guite	Electrical detection of spin polarized electrons in semiconductors using a radio-frequency magnetic coil	Nano -Technology and Emerging Areas	Y	Y
NANO/11	Arvind	Ajoy	Computing the Energy Bands of a Strip from those of an Infinite 2-D Lattice	Nano -Technology and Emerging Areas	Y	Y
NANO/12	tinay	kati	Diffusion Thermopower In p-Channel SiGe Quantum Wells	Nano -Technology and Emerging Areas	Y	Y
NANO/13	Sayani	Roy	Einstein relation in n-p-p-1 and semiconductor microstructures: Simplified theory, relative comparison and suggestions for an experimental determination	Nano -Technology and Emerging Areas	Y	NA
NANO/14	Debashish	De	Thermoelectric Power under Strong Magnetic Field in Quantum Dots and Quantized Superlattices	Nano -Technology and Emerging Areas	Y	Y
NANO/15	Ruchi	Sethi	Structural and optical studies of hydrothermally synthesized CdSe nanocrystals	Nano -Technology and Emerging Areas	Y	Y
NANO/16	Vidur	Parkash	Propagation Delay Modeling of Coupled Carbon Nanotube Interconnects	Nano -Technology and Emerging Areas	Y	Y
NANO/17	Md. Jalal	Uddin	Synthesis and Optical Evaluation of Copper Oxide (CuO) Nanoparticles	Nano -Technology and Emerging Areas	Y	Y
NANO/18	Trilok	Singh	Template Assisted Growth of Zinc Oxide nanowires by Electrodeposition	Nano -Technology and Emerging Areas	Y	Y
NANO/19	BIPLAB	PAUL	Thermoelectric properties of PbTe nanocomposites synthesized from PbTe nanocrystals	Nano -Technology and Emerging Areas	Y	Y
NANO/20	Samit	Ray	Photoluminescence and single-hole charging in Ge quantum dots grown by MBE	Nano -Technology and Emerging Areas	Y	Y
NANO/21	Monika	Mall	Optical and thermal properties of poly(3-hexylthiophene)/PbS nanocomposite	Nano -Technology and Emerging Areas	Y	NA
NANO/22	Sitangshu	Bhattacharya	Does Nanotubes and Nanowires Exhibit Negative Capacitances	Nano -Technology and Emerging Areas	Y	Y
NANO/23	Darakshan	Quaiser	Comparative Study of Optical Parameters of Fullerene C60 film at Different Temperatures	Nano -Technology and Emerging Areas	Y	Y
NANO/24	Peayash	Choubey	Quantum Mechanical Effects on Electrostatics of Nanoscale Surround Gate MOSFET	Nano -Technology and Emerging Areas	Y	Y
NANO/25	Peayash	Choubey	Non-Equilibrium Spin Current in a Two-Terminal Mesoscopic System	Nano -Technology and Emerging Areas	Y	Y
NANO/26	Jaya	Lohani	Electrical characteristics of pentacene thin film transistors on glass using different gate electrodes	Nano -Technology and Emerging Areas	Y	Y
NANO/27	Shirpa	Pandey	Surface passivation of CdS quantum dots using PVP molecules	Nano -Technology and Emerging Areas	Y	Y
NANO/28	MAMTA	KHANDEJA	Modeling Carbon Nanotube behaviour during field emission	Nano -Technology and Emerging Areas	Y	Y
NANO/29	Siddhartha	Panda	Ambiguities in the optical measurements of InGaInGaN quantum wells of high In content	Nano -Technology and Emerging Areas	Y	Y
NANO/30	Indra	Sulama	Nanostructuring on CdS thin films by Low Energy Ion Bombardment	Nano -Technology and Emerging Areas	Y	Y
NANO/31	Rakesh	Vaid	Simulation of Novel Carbon Nanotube Structures for Engineering Applications	Nano -Technology and Emerging Areas	Y	Y
NANO/32	Sangeeta	Handuja	Enhanced Field Emission from Aligned Boron Doped CNTs	Nano -Technology and Emerging Areas	Y	Y
NANO/33	Tannoy	Das	Effects of Post Deposition Annealing on HfOxNy Gate Dielectrics on p-GaAs	Nano -Technology and Emerging Areas	Y	Y
NANO/34	Vijayarangamuhu	K	Optical investigations of Ge nanocrystals formed by thermal annealing of GeOx films	Nano -Technology and Emerging Areas	Y	Y
NANO/35	Nilash	Gaurav	Device simulations of nanowire carbon thin-film transistors	Nano -Technology and Emerging Areas	Y	NA
NANO/36	Kanchan	Faleke	Effect of applied bias voltage on the threshold current in III-V quantum well nanostructures	Nano -Technology and Emerging Areas	Y	Y
NANO/37	Siddheswar	Maikap	A Novel Resistive Switching Memory Using High-k Ta2O5 Film	Nano -Technology and Emerging Areas	Y	Y
NANO/38	Islam	Islam	N-type porous silicon fabricated under variable photon flux: Photoluminescence and Raman studies	Nano -Technology and Emerging Areas	Y	Y
NANO/39	O. S.	Panwar	Properties of nitrogen incorporated amorphous carbon films having nano particle inclusions	Nano -Technology and Emerging Areas	Y	Y
NANO/40	Subhass	Ghosh	High performance copper phthalocyanine organic field effect transistor by optimizing different growth parameters	Nano -Technology and Emerging Areas	Y	Y
NANO/41	Abhishha	Chouksey	SWNT thin film preparation for random-network-CNFET based sensors	Nano -Technology and Emerging Areas	Y	Y
NANO/42	Subhass	Ghosh	Effect of self assembled monolayers on copper phthalocyanine OFETs	Nano -Technology and Emerging Areas	Y	Y
NANO/43	Sharmin	Haj	Room Temperature Synthesis and Characterization of CuO, Ag and Au Nanoparticles	Nano -Technology and Emerging Areas	Y	Y
NANO/44	Vikas	Nogriya	Studies of structural and Optical properties of ZnS/Polymer Nanocomposite	Nano -Technology and Emerging Areas	Y	Y
NANO/45	archana	Mallik	Sonoelectrochemically deposited nanostructured copper thin films at low temperatures: Growth kinetics and nucleation behaviour	Nano -Technology and Emerging Areas	Y	Y
NANO/46	SUMIT	KUMAR	Preparation and characterization of MWNT dispersed PMMA composite membrane for hydrogen gas separation	Nano -Technology and Emerging Areas	Y	Y
NANO/47	Praveen	Pathak	Modulating the Electronic Structure of a Two Dimensional Electron Gas	Nano -Technology and Emerging Areas	Y	Y
NANO/48	Viresh	Dutta	Effect of spin-coated ZnO nanoparticle and nanostructure layers on Si surface reflectivity	Nano -Technology and Emerging Areas	Y	Y
NANO/49	Shweta	Agrawal	Synthesis and characterization of Ag doped CdS nanocomposite thin films	Nano -Technology and Emerging Areas	Y	Y
NANO/50	Praveen	Pathak	Scaling Laws for the Melting Temperature and Coulomb Blockade of Semiconductor Nanostuctures	Nano -Technology and Emerging Areas	Y	Y
NANO/51	Pika	Iha	Preparation of dispersion of single walled carbon nanotubes (SWNT) for fabrication of amperometric gas sensors	Nano -Technology and Emerging Areas	Y	Y
NANO/52	Monika	Kumari	Analysis of Work-Function of CNTs using Active Device area in Diode Configuration	Nano -Technology and Emerging Areas	Y	Y
NANO/53	NEERAJ	JAIN	Variation in Electrical and Thermal conductance of Carbon nanotubes with diameter and length	Nano -Technology and Emerging Areas	Y	Y
NANO/54	Avshish	Kumar	I-V characterization of uniformly distributed multi-walled carbon nanotubes (MWCNTs) film grown by low-pressure chemical vapour deposition (LPCVD)	Nano -Technology and Emerging Areas	Y	Y
NANO/55	Kannanpatti	Tripathi	Optical and Surface Characterization of Nano-Sr2Te3O6-x/zn alloy system	Nano -Technology and Emerging Areas	Y	Y
NANO/56	Arvind	Ajoy	Computing the Energy Bands of a Strip from those of an Infinite 2-D Lattice	Nano -Technology and Emerging Areas	Y	Y
NANO/57	Writam	Banerjee	Nanoscale Nonvolatile Memory Characteristics of IrOx Metal Nanocrystals with Double Layers	Nano -Technology and Emerging Areas	Y	Y
NANO/58	RAJESH	BAG	Catalysis-free Growth of AlGaAs Nanoneedles by MOCVD	Nano -Technology and Emerging Areas	Y	Y
NANO/59	Ravi Keshwar	Kumar	Synthesis of ZnO Nano-structures by RT-CVD method	Nano -Technology and Emerging Areas	Y	NA
NANO/60	Mahesh	Kumar	Sb induced superstructural phase formation on Si(5 x 7) reconstructed surface	Nano -Technology and Emerging Areas	Y	NA
NANO/61	Surya Shankar	Dan	Impact of Energy Quantization in SET island on Hybrid CMOS-SET Integrated Circuits	Nano -Technology and Emerging Areas	Y	NA
NANO/62	Lalat I.	Giri	Field and Thickness Dependence of Mobility of organic semiconductors determined using photoconcurrent transistors	Nano -Technology and Emerging Areas	Y	Y
NANO/63	Rashmi	Gautam	Quantum Dot Floating Gate EEPROM Cells with Asymmetric Source/Drain doping	Nano -Technology and Emerging Areas	Y	Y
NANO/64	Gagik	Shamavonjan	Characterization and Nano-machining of Nanowires	Nano -Technology and Emerging Areas	Y	Y
NANO/65	Shailesh N.	Sharma	Photosensitization of TiO2 layers with CdSe Quantum Dots: Effect of Solvent and Linker	Nano -Technology and Emerging Areas	Y	Y
NANO/66	TANUJ	DHAWAN	Effect of growth parameters on InAs quantum dots on germanium substrate using MOCVD technique	Nano -Technology and Emerging Areas	Y	NA
NANO/67	Sanjay	Srivastava	Growth and Characterization of Silica Nanowires and Nanospheres	Nano -Technology and Emerging Areas	Y	Y
NANO/68	Tripti	Shukla	Comparative Study	Nano -Technology and Emerging Areas	Y	Y
NANO/69	Tao Won Kang		Self-assembled Wide band gap Semiconductor for Solid State Lighting	Nano -Technology and Emerging Areas	Y	Y