

CONFERENCE SCHEDULE (FINAL)

Registration

15th December 2022 - 4:30 - 6:30 PM		Venue: Thin film Photovoltaic Lab, 3rd floor, School of Electronics Engineering (New Building)	
16th December 2022 - 8:30 - 9:20 AM		Venue: Training and Placemnt Cell, 1st floor, School of Electronics Engineering	
16th Dec. 2022			
Venue: School of Electronics Engineering, Campus-12, Auditorium			
Time	Presentation	Speaker	Title
9.20 - 10.30 am	Inaugural Function		
	Session-1	Session Chair: Dr Ashok Sahoo	
10.30 to 11.15 am	Plenary Talk	Dr. C. Jagadish, Australia	“Semiconductor Nanostructures for Optoelectronics Applications”
11.15 to 11.35 am	Tea Break		
11.35 to 12.15 pm	Keynote-2	Dr. V. Ramgopal Rao, IIT Delhi	“Bottom-up meets top down: An Integrated Approach for Future High Performance CMOS & Sensor Technologies”
12.15 to 12.55 pm	Keynote -3	Dr S Karmalkar , Director IIT Bhubaneswar	"Device Modeling - the Art of Making Approximations"
1.00 to 1.15 pm		Group Photo	
1.30 to 2.30 pm		LUNCH	
	Session-2	Session Chair: Dr J K Rath	
2.30 to 3.00	Invited-1	Dr R K Sharma, IIT Delhi	Sub-surface mechanical characterisation of semiconductors using nanoindentation.
3.00 to 3.30	Invited-2	Dr Pushpashree Mishra, SSPL, DRDO	MBE growth of III-V semiconductors
3.30 to 4.00	Invited-3	Dr Amit Munshi, Colarado State Univ, USA	Progress, Challenges and Prospects with CdTe Photovoltaics Technology
4.00 to 4.20		Tea Break	
4.20 to 4.50	Invited-4	Dr T Som, IOP, Bhubaneswar	Atomic force microscopy: An amazing tool for micro-to-nanoscale science
4.50 to 5.20	Invited-5 (online)	Dr. Antonio Politano, Italy	Improving the efficiency of van der Waals semiconductors for gas sensing through interfacing with their native oxides.
5.20 to 7.30	POSTER SESSION and ORAL /ONLINE PRESENTATIONS		
(PARALLEL SESSION)	ORAL /ONLINE PRESENTATIONS		
	PAPERS IDs-A-2001,A-2002,A-2005,A-2007,A-2009,C-3001,C-3008,C-3009,O-8007,O-8008,O-8009,O-8010,M-7003,M-7004,M-7005		
	Venue: New Building , 3rd Floor		
7.45 pm	Founder's Dinner		

17th Dec. 2022

Venue: School of Electronics Engineering, Campus-12, Auditorium

Time	Presentation	Speakers	Title
	Session-4	Session Chair : Dr S K Mohapatra	
8.00 to 10.00	ORAL/ONLINE PRESENTATIONS PAPER IDS-M-7007,M-7008,M-7010,M-7012,M-7014,M-7015,M-7017,M-7018,N-4003,N-4005, N-4006,N-4009,N-4013		
10.00 to 10.30	Invited-6	Dr Saptarshi Das, The Pennsylvania State University, USA	Bio-inspired Devices for Sensing, Computing, Storage, and Hardware Securitybased on Two-dimensional (2D) Materials
10.30 to 11.00	Invited-7	Dr D S Rawal, SSPL, DRDO	GaN HEMT Device Technology; A way forward for high frequency/high powerMMIC Applications.
11.00 to 11.20	Tea Break		
11.30 to 12.00	Invited- 8	Dr Anant Naik, CEO, GAETEC, Hyderabad	Monolithic Microwave Integrated Circuit (MMIC)Technology for Strategic Applications
12.00 to 12.30	Invited- 9	Dr Mukesh, IIT Ropar	Gallium oxide thin films based solar blind photodetectors
	KISS VISIT(OPTIONAL)		
12.45 to 1.45	ORAL/ONLINE PRESENTATIONS PAPER IDS-N-4017,N-4020,N-4028, N-4029,N-4032,N-4034,N-4035		
1.45 to 2.30	LUNCH		
	Session-5	Dr. S. K. Sabat	
2.30 to 3.00	Invited- 10	Dr Jawar Singh, IIT Patna	Devices and Circuits for In-memory and Brain Inspired Computing
3.00 to 3.30	Invited-11	Dr Ankur Goswami, IIT Delhi	Manipulation of Metal Insulator Transition in epitaxial VO ₂ by engineered interfaces and its application in MEMS resonators
3.30 to 4.00	Invited- 12	Dr. Sudhiranjan Tripathy, Institute of Materials Research and Engineering, Singapore	Wide Bandgap Semiconductors toward Energy and Sustainability
4.00 to 4.30 (PARALLEL SESSION)	Industry Talk 1 (15 min)	Dr Vinod Navin Merai, Veeco Instruments, USA	Products for Semiconductor Technology
	Industry Talk 2 (15 min)	Dr D Krishnamurthy, Scientific and Technical Adviser, NTT-AT, Japan	NTT-AT's GaN Epitaxial Wafers for Power and RF applications
	ORAL/ONLINE PRESENTATIONS PAPER IDS- N-4036,N-4041,N-4042		
4.30 to 4.50	Tea Break		
4.50 to 5.20	Invited-13	Dr Sankar Mukhopadhyay, IET, Kolkata	Growing need and opportunities in Indian Power Sector
5.20 to 5.50	Invited-14 (Online)	Dr.Helge Weman, Norway	III-V nanowire/graphene hybrid structures for applications in solar cells and UV LEDs
5.50 to 7.30 (PARALLEL SESSION)	POSTER SESSION and ORAL /ONLINE PRESENTATIONS		
	ORAL /ONLINE PRESENTATIONS PAPER IDS:- N-4046,N-4047,N-4048,N-4049,N-4051,N-4053,N-4054,P-5001,P-5006,P-5011,P-5014		

18th Dec. 2022

School of Electronics Engineering(Campus-12), Auditorium

Time	Talk	Speaker	Title
	Session-8	Session Chair : Dr Arindam Basak	
8.00 to 10.00	ORAL/ONLINE PRESENTATIONS PAPER IDs-P-5028,P-5032,P-5035,P-5037,P-5038,P-5040, W-1003,W-1013,W-1014,W-1016,W-1018,W-1019,W-1020,W-1023		
10.00 to 10.30	Invited 15	Dr Satyabrat Jit, IIT BHU	Organic thin film solar Cells: An Overview with Some Case Studies
10.30 to 11.00	Invited 16 (ONLINE)	Dr Sanjay Behura,San Diego State University, USA	'Light-Matter Interactions in van der Waals Heterostructures'
11.00 to 11.20	Tea Break		
11.20 to 11.50	Invited- 17	Dr J K Rath, IIT Madra	Prospect of carrier selective contact silicon heterojunction solar cells
11.50 to 12.20	Invited- 18	Dr Mrinal Pal, CGCRI, Kolkata	Defect mediated Multi-coloured emission from pristine ZnO nanostructure: A potential single source white LED
12.20 to 12.50	Invited- 19	Dr Chetan Panchal,MS University, Baroda	Monolithically integrated 2 square inches CIGS thin-film solar cell module
1.20 to 1.50	CLOSING		
1.50 to 2.45	LUNCH		
3.00 pm	TRIP To PURI (optional)		