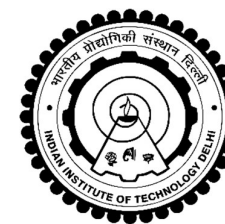




IWPSD 2021
Indian Institute of Technology, New Delhi, India
14 - 17 December, 2021



Symposium: Semiconductor Crystal Growth, Epitaxy and Characterization (HALL 5)

DAY 2 (D2) (15th December 2021/Wednesday)

Session-1 (Afternoon)		
Time (IST)	Speaker	Title
14:00 – 14:45	Puspashree Mishra (SSPL, DRDO)	SC-SKN-1: Type II strained Layer superlattice (T2SL) based materials: MBE growth and characterization
14:45 – 15:15	Eivind J. Ovreliid (SINTEF, NORWAY)	SC-I-1: Production of silicon ingots for solar cells by Czochralski crystal pulling
15:15 – 15:45	Amarendra Kumar Singh (IIT Kanpur)	SC-I-2: Importance of digital twins in accelerated development and deployment of materials
15:45 – 16:00	Maneesha Narayanan (TIFR, Mumbai)	SC-O-1: Vanadium Doped β -Ga ₂ O ₃ Single Crystals: Optical Floating Zone Growth and Characterization
16:00 – 16:30	Oussama Moutanabbir (Ecole Polytechnique de Montreal)	SC-I-3: All group IV platforms for photonics and quantum engineering
16:15 – 18:00	POSTER SESSION	
18:00 – 19:00	Industry Session-Hall 1 (Common for all symposia)	
END OF DAY 2		

DAY 3 (D3) (16th December 2021/Thursday)

9:30-11:15	Plenary Session - Hall 1 (Common for all symposia)	
Session-1 (Morning)		
Time (IST)	Speaker	Title
11:15 – 12:00	Kunal Mukherjee (Stanford University, USA)	SC-SKN-2: Engineering reliable III-V quantum dot lasers on silicon
12:00 – 12:30	Lionel CALMELS (CEMES/CNRS, France)	SC-I-4: GeSbTe alloys for embedded Phase Change digital memories and neuromorphic computing
12:30 – 13:00	Vijay Kumar Dixit (RRCAT, Indore)	SC-I-5: Investigations on semiconductor quantum structures with magneto-optical spectroscopy and electronic transport measurements
LUNCH BREAK (13:00 – 14:00)		
Session-2 (Afternoon)		
Time (IST)	Speaker	Title
14:00 – 14:45	R. R. Sumathi (IKZ, Germany)	SC-SKN-3: Hetero-epitaxy and homo-epitaxy for AlN native substrate technology: Challenges & Benefits
14:45 – 15:15	B. Srivathsa (DMRL, Hyderabad)	SC-I-6: Optimization of single crystal Silicon Carbide bulk growth process
15:15 – 15:45	Tapobrata Som (IOP Bhubaneswar)	SC-I-7: Nanoscale patterning of semiconductor surfaces and its fascinating applications
15:45 – 16:00	Ravi Kumar (RRCAT, Indore)	SC-O-2: Estimation of asymmetrically distributed anti-phase domains ratio in GaAs/Si(100) epitaxial layers using high resolution X-ray diffraction
16:00 – 16:15	Tea Break	
16:15 – 18:00	POSTER SESSION	
END OF DAY-3		