



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



Symposium- Photovoltaics and Energy Harvesting (HALL 3)

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

Session-1 (Afternoon)		
Time (IST)	Speaker	Title
14:00 – 14:30	Jatin Rath (IIT Madras)	PEH-I-1: Towards high efficiency tandem solar cells beyond Shockley–Queisser limit
14:30 – 15:00	Neeraj Khare (IIT Delhi)	PEH-I-2: Solid-Solid, Solid-Liquid contact Tribo-nanogenerator for Energy Harvesting
15:00 – 15:30	Senol Öz (Saule Technologies, Germany)	PEH-I-3: Towards commercialization of inkjet printed perovskite solar cells
15:30 – 15.45	Arti Gupta (IIT Hyderabad)	PEH-O-1: Micro-texturing of Silicon using KOH: An Additive Free, Facile and Cost-effective Approach with Minimal Chemical Waste
15.45 – 16:00	Sobia Waheed (IIT Delhi)	PEH-O-2: Ultrasonic Spray Coated Large Area Organic Solar Cell
16:00 – 16:15	Tea Break	
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	Muhammad Ashraful Alam (Purdue University, USA)	PEH-SKN-1: Physics and Performance Limits of Bifacial Solar Farms: How Satellite-Based Weather Data is Transforming the Calculus of Renewable Energy
12:00 – 12:30	Kanwar Singh Nalwa (IIT Kanpur)	PEH-I-4: Perovskite solar cells: challenges and strategies
12:30 – 12:45	A. Mandal (IIT Kharagpur)	PEH-O-3: Soft ferroelectric nature of CsPbBr ₃ perovskite and its application towards Piezoelectric Nano generator
LUNCH BREAK (13:00 – 14:00)		
Session-2 (Afternoon)		
Time (IST)	Speaker	Title
14:00 – 14:30	Pratima Agarwal (IIT Guwahati)	PEH-I-5: Role of intrinsic and doped a-Si:H layers in performance of c-Si/a-Si:H heterojunction solar cells
14:30 – 15:00	Trilok Singh (IIT Kharagpur)	PEH-I-6: Management of Crystal robustness and engineering of various surfaces/Interfaces of Perovskite solar cells for high efficiency and stability
15:00 – 15:15	N T Beigh (IIT Delhi)	PEH-O-4: SU-8/BTO Nanocomposite Based Piezoelectric Nanogenerator
15:15 – 15:30	S. Gautham (NPL, Delhi)	PEH-O-5: Bi ₂ Se ₃ thin films for thermoelectric and photodetector applications
15:30 – 15:45	E. Resmi (IIT Bombay)	PEH-O-6: Characterization of Bulk Degradation due to Light and Elevated Temperature in Industrial Solar Cells
16:00 – 16:15	Tea Break	
16:15 – 18:00	POSTER SESSION	
END OF DAY-3		