Fundamentals and Characterization of Solar Cells (FUNSOL-2019)

February 19 - 23, 2019 at IIT Kanpur Venue: PBCEC, Visitor's Hostel

	9.30-11.00	11.30-1.00	1.00-2.00	2.00-3.30	4.00-5.30
Day 1	Inauguration (9:00 hrs)Introduction to the CourseSemiconductors	Semiconductor PhysicsTransportGenerationRecombination		P-N Junction Diode and Analysis	Electrical Measurements • AC Hall • Four Probe
Day 2	 Metal – Semiconductor Junctions Materials Characterization Manufacturing Processes: An Overview 		ch	Device fabrication demonstration and device measurements	
Day 3	Solar Cell Fundamentals (Device Characteristics)	Device Characterization	Lunch	Device simulation	
Day 4	First Generation Solar Cells	Second Generation Solar Cells	, ,	Device fabrication demonstration and device measurements	
Day 5	Second And Third Generation Solar Cells	Third Generation Solar Cells		Module DesignBalance of SystemCleaning of Solar	

Tea Breaks: 30 mins each (one each in forenoon and afternoon)

Course dinner: Friday, 22nd February 2019 (venue: to be announced)