

**2nd International Conference on
Nanomaterials for Energy Conversion and Storage
Applications (NECSA-2022)**

January 19-21, 2022

**Venue: Pandit Deendayal Energy University, Gandhinagar,
Gujarat, India**

Program Overview:

Day 1: January 19, 2022, Wednesday

9:30 hr - 10:00 hr Indian Std. Time	<p>Inaugural Session Address by</p> <ul style="list-style-type: none"> • Prof. Indrajit Mukhopadhyay, Convener, NECSA-2022, Head, SRDC, PDEU • Prof. S.Sundar Manoharan, Chief Patron, NECSA-2022, Director General, PDEU • Prof. Tarun Shah, Registrar, PDEU • Prof. Sunil Khanna, Vice-Patron NECSA-2022, Director SOT, PDEU • Prof. Rangan Banerjee, Chief Guest, Director, IIT Delhi • Shri Jeevan Kumar Jethani, Guest of Honour, Ministry of New and Renewable Energies, GoI , New Delhi • Summary of Technical Sessions by Dr. Abhijit Ray, Co-Convener, NECSA-2022 • Vote of Thanks by Dr. Ranjan Pati, Coordinator, NECSA-2022 	Join meeting
10:00 hr - 10:30 hr Indian Std. Time	Keynote Address by Prof. Rangan Banerjee , Department of Energy Science & Engineering IIT Bombay	
SESSION-2	Chair: Prof. Indrajit Mukhopadhyay Co-chair: Prof. Utpal Joshi	
11:00 hr - 11:45 hr Indian Std. Time	Keynote Lecture “Nanomaterials for dye-sensitized solar cell” by Prof. Tetsuo Soga , Nagoya Institute of Technology, Japan	
11:45 hr - 12:25 hr Indian Std. Time	Plenary Lecture “Transparent energy and related world” by Prof. Joon-Dong Kim , Department of Electrical Engineering, Director in Multidisciplinary Core Institute for Future Energies (MCIFE) at Incheon National University in Korea.	
12:30 hr - 13:00 hr Indian Std. Time	Invited Lecture “Doping effect on the structural, electronic structure, dielectric and magnetic behavior of ErFeO ₃ Orthoferrites” by Prof. D. G. Kuberkar , Head, Department of Nanoscience & Advanced Materials, Saurashtra University, Rajkot	
	BREAK	
SESSION-3	Chair: Dr. Abhijit Ray Co-chair: Dr. Achinta Bera	
14:00 hr – 14:45 hr Indian Std. Time	Plenary Lecture “Liganded gold quantum clusters: Towards a new class of nonlinear optical nanomaterials” by Dr. Rodolphe Antoine , Univ Lyon, Université Claude Bernard	Join meeting

*Time Zone: Indian Standard Time (IST)

	Lyon 1, CNRS, Institut Lumière Matière, Lyon, France	
14:45 hr – 15:25 hr Indian Std. Time	Invited Lecture “Nano-heterostructures with MoSe ₂ – a 2D transition metal dichalcogenides” by Prof. Sameer Sapra , Department of Chemistry, IIT Delhi	
15:25 hr – 15:55 hr Indian Std. Time	Invited Lecture “Transient Process Dynamics of Pulsed Laser Ablation in Liquid for the Synthesis of Nanomaterials” by Dr. Prahlad Baruah , PDEU, Gandhinagar	
	BREAK	
SESSION-4	Chair: Dr. Anirban Das Co-chair: Dr. Prahlad Baruah	
16:00 hr – 16:30 hr Indian Std. Time	Invited Lecture “Applications of Graphene Based Nanocomposites in Flexible Electrochemical Supercapacitors” by Dr. Susanta Sinha Roy , Department of Physics, School of Natural Sciences, Shiv Nadar University, GautamBudh Nagar, UP	Join meeting
16:30 hr – 17:00 hr Indian Std. Time	Invited Lecture “Nano-structured complex metal oxides: Tailored synthesis and study on their chemiresistive interactions with isomeric volatile organics” by Dr. Kalisadhan Mukherjee , PDEU, Gandhinagar	
17:00 hr – 17:40 hr Indian Std. Time	Keynote Lecture “Technology Pathways towards Industrial Manufacturing of Perovskite-Silicon Tandem Solar Cells” by Prof. Jochen Rentsch , Fraunhofer Institute for Solar Energy Systems (ISE), Freiburg, Germany	
SESSION-5	Chair: Dr. Asit B. Panda	
17:45 hr – 18:15 hr Indian Std. Time	ORAL PRESENTATIONS (O1-O3)	Join meeting
	BREAK	
SESSION-6	Chair: Prof. Indrajit Mukhopadhyay	
19:30 hr – 20:15 hr Indian Std. Time	Keynote Lecture “Nanoantennas for harvesting light and driving chemical transformation” by Prof. Prashant Jain , Department of Chemistry, Materials Research Laboratory and Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana-Champaign, Urbana, IL, USA	Join meeting

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