REGISTRATION FORM

Five days
Faculty Development Program
(FDP)
on

RECENT ADVANCES IN SOLAR ENERGY RESEARCH

November 25 - 29, 2019

Name: Mr/Ms/Mrs/Dr:
Academic Qualification:
Designation:
Organization:
Institution Address:
Phone:
Mobile No:
Email ID:
Accommodation Requirement : YES / NO
Registration Fee Details
Amount:
D.D No:
Bank Name:
Date: Signature

CHIEF PATRONS

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Dr. T. Rajasekaran, Prof & Dy Head, Mech., Engg., SRMIST

REGISTRATION FEE DETAILS

Acadamic / Industry Participants: Rs.1500/-

Please fill the Registration form and send it before the due date with the DD/receipt in favour of "ISHRAE STUDENT CHAPTER - SRM UNIV" payable at Chennai.

The fee can also be paid online to the below account:

Account Name: ISHRAE STUDENT CHAPTER - SRM UNIV

Account No: 117001000635544 IFSC Code: CIUB0000117

City Union Bank Ltd

Branch: Tambaram, Chennai-45

Register Online: http://tiny.cc/6h5vez
Last date for Registration: Nov 18, 2019

CONTACT

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RECENT ADVANCES IN SOLAR ENERGY RESEARCH

November 25 - 29, 2019

Organized by

Department of Mechanical Engineering, SRM Institute of Science and Technology

Convener

Dr. S. Prabhu

Professor and Head
Department of Mechanical Engineering

Co-Conveners

Dr. M. Cheralathan, Professor Dr. K. Suresh Kumar, Professor

Co-Ordinators

Dr. P. Chandrasekaran, Associate Professor
Dr. R. Senthil, Associate Professor
Dr. S. Manikandan, Research Assistant Professor
Dr. C. Selvam, Assistant Professor
Mr. M. Sivashankar, Assistant Professor
Department of Mechanical Engineering
SRM Institute of Science & Technology
Kattankulathur -603203. Kancheepuram (DT), Tamilnadu.
www.srmist.edu.in

Venue: G. D. Naidu Hall, MECH 'B' - Block

ABOUT THE INSTITUTIONS

SRM Institute of Science and Technology (Formerly known as SRM University) is one of the top ranking Institution and most premier engineering destinations in India. It is established in 1985 by the Founder Chancellor Dr. T. R. Paarivendhar. SRM Institute of Science and Technology (SRMIST) is functioning in four campuses located at Kattankulathur, Vadapalani and Ramapuram in Tamilnadu and a fourth campus at Modi Nagar, Ghaziabad with over 50,000 students and 3,020 faculty members, offering wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine & Health Sciences, Law and Science & Humanities.

The Institution has moved up through international alliances and collaborative initiatives to achieve global excellence. Over 150 students sponsored to 35 foreign Universities like MIT, Carnegie Mellon, UC Davis, Warwick and Western Australia. Now the Institute enjoys an unsurpassed reputation in academic and corporate circles being the preferred manpower source for vision to be recognized as a world - class learning institution. SRM Institute of Science and Technology has been categorized as grade 'A' Institution by Ministry of Human Resource Development (MHRD); Government of India. SRMIST is accredited by NAAC with 'A++' Grade in the year 2018.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering is one of the pioneering department of SRM Institute of Science and Technology. The present faculty strength is 130. About 400 research papers have been published in international journals and about 600 papers in international / national conferences. The department is functionally divided into three broad areas of specialization: (i) Design (ii) Manufacturing and (iii) Thermal Engineering. The National Board of Accreditation had accredited the Mechanical Engineering program in1997. The B.Tech- Mechanical Engineering program at Kattankulathur campus is accredited by ABET, USA.

The department also offers Doctoral programs in these

three areas of specializations. The depar tment periodically organises technical talks, workshops, FDPs and national and international conferences. Some of the important events organised are : International Conference on Advances in Mechanical Engineering 2006 and 2018, National Workshop on fuel cell technology 2008, 10th Asian symposium of visualization 2010, Short Course on Mechanics of Composite Materials and Structures 2015, Workshop on Development, Manufacturing and Analysis of Advanced Composites 2015, Short term Course on FEM2015, NCAME 2016, Research perspectives on 2016 and IPR & Innovations on 2017. Various Research facilities available in the department are 5 axis CNC Machine, IRB1410 ABB industrial robot, IRB360 Flex Picker Vision ABB robot, wear and friction monitor Apparatus, thyristor controlled 64 – segment program electric furnaces, 7 Mill volt He - Ne with spatiallter, vision systems, computerized surface roughness tester, Fazo portable CMM, Carlzess size CMM, six axes spine simulator. Differential scanning calorimetry. computerized CRDI VCR IC engine test Rig, gas analyzer, steam power plant, Kistler Impact hammer, RPT, solar steam cooking plant and FMS systems.

The department also offers M. Tech Program in Solar Energy with well organised curriculum and state of the art facilities to meet the emerging man power requirement in the filed of solar energy.

ABOUT THE FDP

Energy is the driving force behind all economic activities. Consequently the ever increasing population and associated energy requirements to meet the increasing living standard have become a matter of great concern. Solar technologies use the sun's energy to provide electricity, heat, light, hot water, and even cooling for homes, businesses, and industry. The aim of this FDP is to impart research skills to the researchers and teachers to improve the quality of research in the area of solar energy and its application. This programme will bring a positive transformation among the faculty members towards research work and enable the participants to develop competence in understanding the recent advances in solar energy systems.

RESOURCE PERSONS

Eminent professors from premier institutions such as IIT, NIT, Anna University and Industrial Experts.

TARGET AUDIENCE

Faculty Members of Engineering Colleges, Scientists & Engineers from R&D organisations and industries are encouraged to attend this programme.

TOPICS TO BE COVERED

- Evaluation and assessment of Solar Radiation
- · Solar Geometry and sun-earth angles
- Solar photovoltaic energy conversion
- Bifacial and concentrated solar photovoltaic systems and thermal management
- Degradation in solar Photovoltaic systems
- Solar thermal collectors and applications (FPC, ETC, CPC)
- Solar desalination and adsorption desalination systems
- Solar adsorption and absorption cooling systems
- Solar thermal power generation systems
- Research challenges in Solar Thermal Energy Storage
- Research challenges in use of Nanomaterials for solar energy applications
- Computational modelling of solar energy systems

ACCOMMODATION

Accommodation for the outstation participants attending the faculty development programme can be arranged in hostels on payment basis. The approximate boarding and lodging charges may be Rs.200/day. The participants who need accommodation are requested to communicate in advance to avoid the inconvenience.