

Resource Persons

- ☞ Dr. K. Kalyanasundaram, Swiss Federal Institute of Technology, Switzerland
- ☞ Dr. Bhushan Tuladhar, Regional Technical Advisor South Asia, Nepal
- ☞ Dr. Nafis Shams, Institute of Energy, Dhaka University, Bangladesh
- ☞ Dr. Raj Kishore Sharma, University of Delhi, India.
- ☞ Dr. Ramaswamy Murugan, Pondicherry University, India.
- ☞ Dr. G. Arthanareeswaran, National Institute of Technology Trichy, India.

Patron

Prof. Gurmeet Singh,
Vice Chancellor, Pondicherry University

Prof. K. Anbalagan
Dean, MSGET

Convener

Dr. B. M. Jaffar Ali

Organising Secretary

Dr. R. Arun Prasath

Contact Details

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Departmental Organizing Committee

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Dr. P. Elumalai
Dr. R. Arun Prasath
Dr. Prasanth Ravindran
Dr. A. Sreekumar



South Asia Foundation (SAF) sponsored



INTERNATIONAL WORKSHOP ON ENERGY MATERIALS AND DEVICES (IWEMD-2018)

May 3-4, 2018



Organized by

**Centre for Green Energy Technology
Madanjeet School of Green Energy Technology
Pondicherry University**

About the Workshop

To preserve the mother earth as well as to utilize the renewable resources, the current energy technologies have to be upgraded to green and clean energy technologies. India ranks the second largest country in renewable energy production which includes significantly use of wind, solar and biomass. Resource augmentation and its use in energy technologies have not been kept in pace to match the increasing energy demand, leaving significant energy shortages in India.

To develop and utilize various renewable energy technologies, new energy materials and device fabrication plays a major role. The two day international workshop on energy materials and devices (IWEMD-2018) will focus on the theme of transferring the knowledge – know-how on various energy materials for application in renewable energy technology. In particular, the workshop will address in-depth knowledge on solar energy conversion, energy storage and device fabrication. Further, this workshop would provide an excellent platform for students, scholars and young faculties to gain knowledge in state of art technologies in the field.

Workshop Highlights

- Solar photovoltaic technology
- Solid-state electrolyte materials for energy conversion and storage
- Thermo-electric devices
- Membrane for energy conversion technologies

Who can apply?

Young faculty members, research scholars and postgraduate students of science and engineering discipline interested to learn the field of energy technology, energy materials and devices are encouraged to apply.

Important Dates

Last date for Registration: April 29th, 2018
Abstract Submission (optional) 1st May, 2018
Workshop dates: May 3-4, 2018

Registration Fees

Registration Rs.1000/- per participant (inclusive of working lunch, tea and kit). Accommodation to be taken care by themselves. For help, you may contact: Ms.K.Alamelu, alamelunano@gmail.com

Registration Format

Pondicherry University
Centre for Green Energy Technology
INTERNATIONAL WORKSHOP ON ENERGY MATERIALS AND DEVICES
May 3-4, 2018

1.	Name	
2.	Gender	
3.	Highest Qualification	
4.	Current Status	Student/ Res. Scholar/ Faculty
5.	Affiliation	
6.	e-mail id	
7.	Mobile number	
8.	Title of the Poster (if presenting)	
9.	Recommendation of Research Supervisor / HOD (For Students and Research Scholars only)	
10.	Payment Details	By. DD. No. _____ Dated _____/2018 payable in favour of IWEMD 2018 . Payable at Indian Bank, Pondicherry University Branch. Or Online transfer to A/c No. 6622171943 IFSC: IDIB000P152. Ref. No: _____ Dated _____
11.	Why you would like to participate?	
12.	Date and place	
13.	Signature of the applicant	

Submission of Registration Form

Application can be submitted in the above format along with the registration fee in the form of DD drawn in favour of 'IWEMD 2018' payable at Pondicherry or by online transfer mentioned above.

Poster Presentation and Awards

Participants are encouraged to present their research / project work as a poster. 100 x 100 cm space will be provided for each poster. Two Best Posters will be awarded.

SCHEDULE OF THE EVENT

Venue : CGET Seminar Hall

DAY-1 – 3rd May 2018 - Thursday

9.30 – 10.15	Inaugural Session	
	HIGH TEA 10.15 – 10.30	
	Technical Session I	
10.30 – 11.45	Dr. Kalyanasundaram Swiss Federal Institute of Technology Switzerland	Fundamentals of solar energy harvesting
11.45– 13.00	Dr. Ramaswamy Murugan Pondicherry University	Solid-state electrolyte, fabrication and testing
	LUNCH BREAK 13.00 – 14.00	
	Technical Session II	
14.00 – 15.15	Dr. Bhushan Tuladhar Nepal South Asia Foundation invitee from SAARC Country	Energy & Sustainable Development
15.15 – 16.30	Dr. Kalyanasundaram Swiss Federal Institute of Technology Switzerland	Basics of solar cells and demonstration of devices
	Technical Session III – POSTER PRESENTATION BY PARTICIPANTS 16.30 -18.00	
	Day 2 – 4 th May 2018 - Friday	
	Technical Session I	
9.00 – 10.15	Dr. Kalyanasundaram Swiss Federal Institute of Technology Switzerland	Dye sensitized Solar cells and Perovskite-based Solar cells
10.15 – 11.30	Dr. Nasif Shams Institute of Energy, Dhaka University	Renewable Energy Sector in Bangladesh
	TEA BREAK 11.30-11.45	
11.45 – 13.00	Dr. Kalyanasundaram Swiss Federal Institute of Technology Switzerland	Quantum dots based solar cells
	LUNCH BREAK 13.00 – 13.45	
	Technical Session II	
13.45 – 14.45	Dr. Kalyanasundaram Swiss Federal Institute of Technology Switzerland	Polymer organic solar cells with bulk hetero-junctions & Mechanistic aspects of third generation solar cells & scaling up of lab cells to modules
14.45 – 15.45	Dr. Arthanareeswaran NIT Trichy	Membrane technology for energy application
	TEA BREAK 15.45-16.00	
16.00 – 17.00	Dr. Raj Kishore Sharma Delhi University	Principle, application and current research on supercapacitor electrode materials
	Valediction 17.00-17.30	