

## APPLICATION FORM

### **NATIONAL WORKSHOP**

on

### **Emerging Challenges in the Operation and Control of Solar Power Plants (ECOCSP'18)**

**(March 24 – 25, 2018)**

Name [in block letters]:

Gender :

Age :

Designation/Course :

Institute/Organization:

Address for

Communication :

Mobile Number :

E-Mail (must) :

Qualification :

Accommodation required : Yes / No

Details of Registration Fee:

Amount :

DD No. :

Date :

Name of the Bank and

Place :

### DECLARATION

The information given above is true to the best of my knowledge. If selected, I agree to abide the rules and regulations of the programme and shall attend the same for the entire duration.

Place:

Date:

Signature of Participant

## SPONSORSHIP CERTIFICATE

Dr./Mr./Ms./ .....

is hereby sponsored for the two days workshop on 24<sup>th</sup> and 25<sup>th</sup> March, 2018 organized by the Centre for Renewable Energy, Annamalai University, Annamalainagar. He/She is permitted to attend the programme, if selected.

Place:

Signature & Seal of the

Date:

Head of the Institution

### **ADDRESS FOR CORRESPONDENCE**

**Dr. A. EZHILARASI**

Coordinator (ECOCSP'18)

Member, Centre for Renewable Energy

Faculty of Engineering & Technology

Annamalai University

AnnamalaiNagar - 608 002.

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ECOCSP'18 brochure can also be downloaded from [www.annamalaiuniversity.ac.in](http://www.annamalaiuniversity.ac.in)

### **IMPORTANT DATES**

Filled in application to be sent

along with registration fee : 16-03-2018

Intimation of Selection (E-mail) : 20-03-2018



**ANNAMALAI UNIVERSITY**  
(Accredited with "A" grade by NAAC)

### **NATIONAL WORKSHOP**

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### **Emerging Challenges in the Operation and Control of Solar Power Plants (ECOCSP'18)**

**(March 24-25, 2018)**



Coordinators

**Dr. AN. SIGAPPI**

Associate Professor

Dept. of Computer Science & Engineering

**Dr. A. EZHILARASI**

Assistant Professor

Dept. of Electrical Engineering

Members, Centre for Renewable Energy

Organized by

**Centre for Renewable Energy**

**Faculty of Engineering & Technology**

**Annamalai University**

**Annamalainagar – 608 002.**

[www.annamalaiuniversity.ac.in](http://www.annamalaiuniversity.ac.in)

## ANNAMALAI UNIVERSITY

In the early 1920s Rajah Sir S. R. M. Annamalai Chettiar founded Sri Minakshi College, Sri Minakshi Tamil College and Sri Minakshi Sanskrit College at Chidambaram. In 1928, Rajah Sir S. R. M. Annamalai Chettiar agreed with the local Government to handover the above said institution for establishing a University. Thus, on 01.01.1929 Annamalai University was established as per Annamalai University Act 1928 (Tamil Nadu Act 1 of 1929).

One of the most significant developments is the enactment of the Annamalai University Act, 2013 (Tamil Nadu Act 20 of 2013), which has come into force from September 25, 2013. Annamalai University is accredited with 'A' Grade by NAAC in 2014. "The NIRF-2017" by the Ministry of Human Resource Development (MHRD) has ranked the University as 20<sup>th</sup> in Tamil Nadu and 92<sup>nd</sup> in India in the Overall Category. In the University Category the ranking is 14<sup>th</sup> in Tamil Nadu and 56<sup>th</sup> in India. In the Pharmacy Category the ranking is 2<sup>nd</sup> in Tamil Nadu and 13<sup>th</sup> in India. "The Times Higher Education World University Ranking - 2018" has ranked Annamalai University in 801 - 1000 for Overall category and 401 - 500 for Life Sciences category. "The CWTS Leiden Ranking 2017", on scientific impact of universities and on universities' involvement in scientific collaboration & scientific performance, has ranked the University at 14<sup>th</sup> based on the number of publications and 3<sup>rd</sup> based on the proportion of publications that, compared with other publications in the same field and in the same year, belong to the top 10% most frequently cited. "The Nielsen - India Today Ranking" (2017) has ranked Annamalai University 11<sup>th</sup> among the top 30 Universities in India. Among the top 100 institutions for Higher Education in India the "SCImago Institutional Ranking" has ranked Annamalai University as 4<sup>th</sup> in Tamil Nadu and 20<sup>th</sup> in India.

Annamalai University is one of the largest unitary, teaching, and residential Universities in Southern Asia comprising of 10 Faculties and 49 departments of study. This University has played a pivotal role in providing access to higher education to thousands of youth cutting

across the social spectrum, especially from economically and socially disadvantaged classes. In this respect, this University's service to the nation is tremendous.

## CENTRE FOR RENEWABLE ENERGY

The Centre for Renewable Energy (CRE) established in the year 2017 is one among the eight centres in the Faculty of Engineering & Technology. It endeavours to plan, coordinate, demonstrate and undertake extension activities in popularizing the need and effectiveness of renewable energy. The focus endeavours to provide advanced knowledge and know-how to the industry in the area of renewable energy through short term training and continuing education programmes. It augurs to effectively extend energy management techniques for conserving energy.

## LOCATION

Annamalai University is located in the temple town of Chidambaram, the abode of Lord Nataraja. Chidambaram is 240 kms south of Chennai and around 150 kms north of Tiruchirappalli.

## OBJECTIVES OF THE WORKSHOP

It becomes significant to accelerate the ongoing research and development efforts on different aspects of Solar Photovoltaic and Solar thermal technologies, including multi-disciplinary research, with the objective of improving the efficiency, system performance and reducing the cost. Renewable energy from solar photovoltaic cell emerges as a clean and efficient method, which enlivens a glimmer of hope for a future based on sustainable and pollution-free technology. As the solar power plant becomes older, the operation and maintenance becomes important for improving the performance of the plant.

This National Workshop aims to bring to light the principles and procedures in the operation and maintenance of solar power plants, methodologies to increase the number of operational hours and thus reduce the cost per kWh produced. It also includes discussions

on challenges in solar energy systems, such as inconsistencies in the availability of solar energy and consequent disturbances when analysed from a control perspective.

## TOPICS COVERED

- Techno-economics of Solar Photovoltaic Power Plants
- Installation and Commissioning of Megawatt Scale Solar Photovoltaic Power Plants
- PV Power Prediction using Soft Computing techniques.

## RESOURCE PERSONS

- Dr. Kevin Ark Kumar, Deputy Manager, Maintenance & Services, Bharat Heavy Electricals Limited (BHEL), Tiruchirappalli
- Mr. R. Muhammad Ehsan, Senior Engineer, Maintenance & Services, BHEL, Tiruchirappalli
- Mr. V. Ragu, Senior Deputy General Manager (Rtd), Maintenance & Services, BHEL, Tiruchirappalli.
- Faculty members from Annamalai University

## ELIGIBILITY

Faculty members, Research scholars, Postgraduate, Undergraduate students from all branches of engineering and industry professionals.

## REGISTRATION

The participants are requested to register themselves by sending the duly filled in application form through proper channel, along with the registration fee in the form of a Demand Draft drawn in favour of **The Registrar, Annamalai University**, payable preferably through ICICI or Indian Bank, Annamalai Nagar. The Registration Fee is Rs.200/- (Rupees Two Hundred only) for undergraduate students and Rs.500/- (Rupees Five Hundred only) for all other participants.