

International Conference on
Advanced Materials for Energy Science
and Technology

February 26th – 28th, 2019



Organized By



DEPARTMENT OF ENERGY ENGINEERING
NORTH-EASTERN HILL UNIVERSITY
SHILLONG-793022, MEGHALAYA, INDIA

<http://www.nehu.ac.in/>

SCOPE OF THE CONFERENCE

International conference on “Advanced Materials for Energy Science and Technology” is being organized to showcase recent advances in Materials and its application in Energy Science and Technology. Keeping in view the recent research progress made in these areas, this conference will provide an international platform for interaction among the leading scientific community and young researchers.

Original contributions in the form of oral/poster presentations are invited in the field of Advanced Materials and Energy Science and Technology.

THEME AREAS

- Advanced Materials for Energy
- Photovoltaic Materials
- Thermoelectric Materials
- Materials for Bioenergy
- Battery and Energy Storage Materials
- Nanomaterials for Energy
- Nanoenergy and Self-Powered Systems
- Hydrogen Energy, Fuel and Biofuel cells
- Energy Transmission and Storage
- Green Energy Materials
- Nuclear Materials & Power Generation
- New Energy Materials and Device
- Systems, control and automation for RE technology

LOCAL ORGANIZING COMMITTEE

Patron-in-Chief

Prof. S K Srivastava

Honourable Vice Chancellor, NEHU

Patron

Prof. G Saha

Dean, School of Technology, NEHU

Convener

Dr. Samrat Paul

Teacher In-charge and Assistant Professor

Department of Energy Engineering, NEHU

Co-Convener

Dr Sudip Paul

Department of Biomedical Engineering, NEHU

Conference Secretary

Mr. Sanat Das

Department of Energy Engineering, NEHU

Joint Secretary

Dr L R Singh

Department of Nanotechnology, NEHU

Treasurer

Mr. Nitin Sahai

Department of Biomedical Engineering, NEHU

THE MANUSCRIPTS WILL BE PEER REVIEWED AND SOME SELECTED MANUSCRIPTS WILL BE PUBLISHED AS CONFERENCE PROCEEDINGS IN A BOOK FORM/JOURNAL WITH ISBN.

ADVISORY COMMITTEE

Prof. Armin Aberle

CEO, Solar Energy Research Institute of Singapore (SERIS)
National University of Singapore (NUS), Singapore

Prof. Alberto Tagliaferro

Applied Science and Technology Department
Politecnico di Torino, Italy

Prof. Maheshwar Sharon

Emiratus Professor UGC & CSIR,
Rtd Prof IIT Bombay, India

Prof. Biswajit Ghosh

Director, School of Energy Studies
Jadavpur University, Kolkata, India

Prof. Marco Carlo Masoero

Energy Department
Politecnico di Torino, Italy

Prof. Sanjoy K Samdarshi

Head, Centre for Energy Engineering
Central University of Jharkhand, India

Prof. Anupam Srivastav

Associate Dean, Adademic Affairs
Middle East College, Muscat, Oman

Prof Jeno Gubicza

Department of Materials Physics
Eotvos Lorand University, Hungary

Prof Hendrik Heinz

Department of Chemical & Biological Engineering
University of Colorado at Boulder, USA

Prof. Nirmalendu Saha

Department of Zoology
North-Eastern Hill University, Shillong, India

Prof. Devesh Walia

Department of Environmental Sciences
North-Eastern Hill University, Shillong, India

Prof. Deepak K Subedi

Department of Natural Sciences
Kathmandu University, Nepal

Prof. Sumedha Jayanetti

Department of Physics
University of Colombo, Sri Lanka

Prof Anukorn Phuruangrat

Department of Materials Science and Technology
Prince of Songkla University, Thailand

Prof. Rupam Kataki

Department of Energy
Tezpur University, India

Dr Sunkulp Goel

Herbert Gleiter Institute of Nanoscience
Nanjing University of Sc. and Technology, China

CALL FOR ABSTRACTS

Abstracts (in English) for oral and poster presentation may be sent to the Conference Secretary latest by December 10th, 2018. Abstracts should be prepared using MS Word (Times New Roman, single spacing, font size 12) not to exceed beyond 400 words. Title and Author(s)' name(s) should be in bold letter, font size-12, underline presenter's name, full affiliation with E-mail address must be added. No diagrams, figures, tables and references are to be added in the abstract. Abstracts may be sent via e-mail (amest2019@gmail.com).

REGISTRATION

CATEGORY	REGISTRATION On or Before December 30 th , 2018		REGISTRATION After Decemberr 30 th , 2018	
	INDIAN	OVERSEAS *	INDIAN	OVERSEAS *
1. STUDENT (ID PROOF REQUIRED)	` 4000/-	USD 200/-	` 5000/-	USD 250/-
2. PROJECT STAFF/ POST-DOCTORAL FELLOW	` 5000/-	USD 250/-	` 6000/-	USD 300/-
3. ACADEMIC PROFESSIONALS	` 6000/-	USD 300/-	` 7000/-	USD 350/-
4. INDUSTRY PROFESSIONALS	` 10000/-	USD 500/-	` 12000/-	USD 700/-
5. ACCOMPANYING PERSON	` 4000/-	USD 200/-	` 5000/-	USD 250/-

The Registration fee will include the conference kit, access to all the sessions, and all the official lunch, dinner, tea & snacks. Accompanying persons are entitled to enjoy all the benefits applicable to the delegates except the conference kit.

ACCOMODATION

University Guest House: Accommodation in the University Guest House (twin sharing basis) may be availed on first cum first basis.

Hotel Accommodation for delegates can also be arranged depending upon the availability and type of Hotels/rooms. The details may be provided on request. (amest2019@gmail.com).

IMPORTANT DATES

Last Date submission of Abstract : December 10th, 2018

Last date: Full Paper submission : January 10th, 2019

Early Registration Discount up to : **December 30th, 2018** (Only after acceptance of Abstract)

HOW TO REACH SHILLONG

Shillong is about 100 Km from Guwahati City which is connected to rest of the Nation by AIR/Railways. After reaching Guwahati you may avail a taxi/bus to shilling. One may hire a local taxi/cab from Shillong town to NEHU Campus. You may also hire a reserve taxi from Guwahati (airport/Railway) to NEHU campus directly.

Conference Awards

Category	Details
Young Researcher Awards	<ul style="list-style-type: none">• Age Limit 35 years• Best Oral presentation• Number of Awards: 03• Includes Citation and a Plaque
Poster Awards	<ul style="list-style-type: none">• Age Limit 35 years• Best poster presentation• Number of Awards: 03• Includes Citation and a Plaque
Partial International Travel Grant Award	<ul style="list-style-type: none">• Number of Awards: 02• Up to USD 200 per person
Partial National Travel Grant Award	<ul style="list-style-type: none">• Number of Awards: 10• Up to INR 1,000/- per person• Sleeper Class Railway Concession

TOURIST ATTRACTIONS

Shillong is a hill station with many tourist spots, some of the important ones are Don Bosco Museum (3.3 Km), Shillong Peak (18.2 Km), Elephant Falls (15.3 Km), Umiam Lake/Bara Pani (15.0 Km), Mawphlang Sacred Grove (25.0 Km), Sohra/Charapunjee (53.7 Km), Living root bridge (65.7 Km), Mawsynram-wettest place on earth (65.0 Km), Nartiang Monoliths (65.0 Km), Mawlynnong – cleanest village in Asia (90.0 Km), Nongkhnum river island (107.0 Km), Balpakram National Park (219.0 Km), Siju Cave (439.0 Km), Kaziranga National Park (317.0 Km).

*Approximate distances are from the venue.

The details for the payment regarding REGISTRATION will be notified after the acceptance of the Abstract. Please send the abstract to amest2019@gmail.com on or before **10th December 2018**.

For any further details please contact Mr. Rajib Saha +91-9401182478 or write to the Convenor at amest2019@gmail.com.

February 26– 28, 2019

REGISTRATION FORM

Family Name..... First Name.....

Sex Designation.....Organization.....

Address.....

.....Pin.....

Nationality Passport No

Validity of the passport up to: Date of birth

Tel.....Mob.....E-mail.....

(Please attach a copy of the Passport)

Title of the paper (for author’s presenting paper).....

.....

.....

Travel details

Arrival at Guwahati/Shillong Date..... Time.....

Mode of travel: Air/Train/any other.....Flight no/Train no.....

Accommodation required (Yes/No).....

Hotel / University Guest House Accommodation required

Hotel Room Type : Economy (sharing) / Deluxe Hotel Room/Super Deluxe

Accommodation is subject to availability of rooms. Please send us request for accommodation by e-mail.

Payment Details:

Transaction No..... Amount (INR/USD)

Bank Name.....Date of transaction

Date :

Signature

Trade Show

Category	Details
Silver (INR 50,000/-)	<ul style="list-style-type: none">• Complementary Three free delegate pass(it includes Conference kit, attending all sessions of conference and Food during conference days)• A 1m x 2m space (approx.) in Trade Show (Display the instruments, products and services, for details please contact the organizers)• One Page (A4 size approx.) advertisement in the Published Abstract Book (if Abstract Book is Published)• Logo in every Back drop/banners• Ten (10) stalls are available
Gold (INR 1,00,000/-)	<ul style="list-style-type: none">• Complementary Three free delegate pass(it includes Conference kit, attending all sessions of conference and Food during conference days)• A 15 Min talk showcasing product and services in Plenaries session (Instruments, Products and services related to Energy Engineering)• A 2m x 2m space (approx.) in Trade Show (Display the instruments, products and services, for details please contact the organizers)• One Page (A4 size approx.) advertisement in the Published Abstract Book (if Abstract Book is Published)• Logo in every Back drop/banners• Three (03) stalls are available
Platinum (INR 2,00,000/-)	<ul style="list-style-type: none">• Complementary Four delegate pass (it includes Conference kit, attending all sessions of conference and Food during conference days)• A 20-25 Min talk showcasing product and services in Plenaries session (Instruments, Products and services related to Energy Engineering)• A 5m x 2m space (approx.) in Trade Show (Display the instruments, products and services, for details please contact the organizers)• Two Page (A4 size approx.) advertisement in the Published Abstract Book• Logo in every Back drop/banners• One (01) stalls are available