



IIITDM
KANCHEEPURAM

Institute of National Importance
under MHRD, New Delhi

ESSI



Conclave on “Materials & Technologies in Energy Conversion & Storage”

(MTECS 2018) *e-Vehicle*

Chief Guest

Prof. G. SUNDARARAJAN

Awarded Padma Shri by President of India

Joint Professor, Department of Metallurgical and Materials Engineering, IIT Madras



Expo

**Panel
discussion**

**Best
poster
award**

28th-29th Dec 2018

**Indian Institute of Information Technology, Design and Manufacturing
Kancheepuram**

Melakottaiyur, Off Vandaloor-Kelambakkam Road
Chennai – 600 127, Tamil Nadu, India.

website: www.iiitdm.ac.in

CONCLAVE OVERVIEW

Indian public transportation system is the backbone of Indian economical growth. Current transport industry of India is contributing 5.5% in Nation's GDP. Indian transportation sector is fueling through hydrocarbon based products such as petrol and diesel. These resources are providing plentiful energy along with harmful gaseous emissions. The electric transportation system is an alternative solution to minimize the environmental impact. India's vision is to produce nearly 10 million electric vehicles including four wheelers and two wheelers by 2020. According to the Prime Minister's vision "Make-in India", by 2030 India will adopt 100 percent electric vehicle transportation system. The Energy Science Society of India (ESSI) is creating awareness on renewable energies, green energies, bio fuel & energy, energy storage science & technology, energy efficient devices & technologies, and sustainable energy.

To envision this mission, Academic Institutions and Industry collaboration have to play a vital role. Hence, Indian Institute of Information Technology Design and Manufacturing (IIITDM) Kancheepuram along with ESSI is organizing a two day conclave on **Materials and Technologies in Energy Conversion & Storage (MTECS 2018)** during **28-29th December, 2018**.

ADVISORY COMMITTEE

- Prof. Banshidhar Majhi, Director, IIITDM
- Prof. M. D. Selvaraj, Dean (ICSR), IIITDM
- Prof. Ramaswamy Murugan, President, ESSI
Pondicherry University
- Mr. K R A Nair, TVS Lucas
- Prof. Vijayamohan K Pillai, CECRI
- Mr. Pon Manivannan GB, L & T Tech. Serv.
- Dr. K Prasanna, Denmark Technical
University

AGENDA

- Energy Conversion
- Energy Storage
- Electric Vehicle
- Plug-in Charging Stations
- Battery Management
- Thermal Management
- Future Strategies,
Sustainability

ABOUT IIITDM KANCHEEPURAM

IIITDM Kancheepuram is a Centre of Excellence for technical education and research established in 2007 by the Ministry of Human Resource Development, Government of India to pursue design and manufacturing oriented engineering education and research and to promote the competitive advantage of Indian products in global markets. The Institute is aimed at providing solutions to current technological challenges in wide domains like robotics, home entertainment, telecommunication automotive systems, etc. With mastery in domain specific design, engineering skills and required managerial expertise, our graduates can entrepreneur organizations involved in the design and manufacture of commercially successful consumer electronic products.

BENEFITS TO SPONSORS

- A unique opportunity to showcase your advanced technology in electric vehicles amidst of many other leading industries.
- Circulation of brochure or promotional material among delegates.
- Platform to demonstrate products and get business opportunities.
- Gathering to compare your technologies with global key players in the same area.

SPONSORSHIP EXPO DETAILS

Sponsorship Benefits	Logo as Title Sponsor	Logo as Co-Sponsors	Advertisement during the event	Complementary delegates
Diamond ₹40,000	✓	----	✓	3
Platinum ₹30,000	----	✓	✓	2
Gold ₹20,000	----	✓	✓	1



Size 10 X 10 ft



Stall rent is ₹ 7500 for 2 days*

Restrict only two officials in the stall

DELEGATE REGISTRATION

Category	Delegate Fees*
UG/PG/ Ph.D.	₹ 1000 (Incl. GST)
Faculty	₹ 1500 (Incl GST)
R&D and Industries	₹ 2500 (Incl GST)

Limited number of registration available

Limited number of free accommodation will be provided on priority basis

Optional : Participants who also want to display their research work in poster mode in the conclave hall can submit an abstract. The abstract will be reviewed and published in the proceedings. Last date for abstract submission : 14th Dec 2018

Registration



https://docs.google.com/forms/d/1IOGrbWCE5nDOsja-ZqiFS5-EVSm5l5CY9GSM_rBm7VQ/edit

Abstract template



https://drive.google.com/open?id=1ZDEqSEs_LJphFM3OgGFd7OTNjNdy6NQN

* Registration fee and stall fee are non-refundable

For any queries please contact

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DAY1 (28TH DEC., 2018)

8:00-9:00 AM - Registration

9:00-9:50 AM – Inauguration

9:50-10:00 AM – Tea Break

Session1 - Electric Vehicles

10:00 A.M -12:00 PM

Technical presentation by experts

Expert 1: Mr. K R A Nair, Lucas TVS

Expert 2: Dr. Dasthagiri Reddy. B, ABB

Expert 3: Expert from Mahindra

Expert 4: Dr. Souvick Chatterjee,
Mathworks

Expert 5: Mr. Prasad MP, President,
Agnito Insights

12:00 -12:30 PM : Panel Discussion

12:30-1:00 PM : Poster/Stall Expo

1:00-2:00 PM : Lunch

Session 2- Energy Materials for Conversion & Storage

2:00-4:00 PM

Technical presentation by experts

Expert 1: Mr. Hari N S, EV & eMobility
Solutions, Ashok Leyland

Expert 2: Dr. R. Prakash, Senior
Scientist, ARCI

Expert 3: Dr. K. Prasanna, Technical
Univerity, Denmark

Expert 4: Expert from GRINNTECH

Expert 5: Prof. Vijayamohanan K Pillai
CECRI

4:00-4:30 PM : Panel Discussion

4:30-5:00 PM : Tea/Poster/Stall

DAY2 (29TH DEC., 2018)

Session1 - Charge Controllers & Battery Management Systems

10:00 A.M -12:00 PM

Technical presentation by experts

Expert 1: Mr. Pon Manivannan GB,
L & T Tech. Services

Expert 2: Mr.Radhakrishnan
OPAL-RT

Expert 3: Mr. Nikhilesh Mishra,
GRINNTECH

Expert 4: Dr.C.Bharatiraja, SRMIST

Expert 5: Ms.Naini Dawar,
Mathworks

12:00-12:30 PM : Panel Discussion

12:30-1:00 PM : Poster/Stall Expo

1:00-2:00 PM : Lunch

Session 2- Thermal Management

2:00-4:00 PM

Technical presentation by experts

Expert 1: Prof. S P Venkatesan,
IIITDM

Expert 2: Expert from ANSYS

Expert 3: Mr. Sathak, GRINNTECH

Expert 4: Expert from Amaron

Expert 5: Dr. Sindhuja R, CECRI

4:00-4:30PM : Panel Discussion

4:30-5:00 PM : Tea/Poster/Stall

5:00-5:15 PM : Valedictory