



ABOUT CENTRE FOR FUEL CELL TECHNOLOGY (CFCT), ARCI

CFCT, one of India's premier centres, is working on developing Polymer Electrolyte Membrane Fuel Cells (PEMFC). The Centre has been at the forefront of PEMFC development in the country. During its last fifteen years of technological expedition, the centre has demonstrated PEMFC power packs with the required balance of systems for stationary applications as well as in electric vehicles as range extenders. In addition to the PEMFC development, as part of the hydrogen technology development, the centre has developed technology for hydrogen generation and materials for hydrogen storage.

The centre also endeavours to use the materials developed for fuel cells in other electrochemical and energy storage devices like batteries and supercapacitors. The centre has developed more than 15 know-how processes for technology commercialization with more than 27 patents filed and over 230 research papers published in various international journals/conferences. One of the mandates of the centre is to include industries in its development for eventual commercialization. Knowledge dissemination and human resource development are also a part of the centre's objective.

ABOUT THE WORKSHOP

This workshop is conducted to commemorate "National Hydrogen and Fuel Cell Day" which was created to raise awareness of a clean energy technology based on Hydrogen. October 8th (10.08) was chosen as a National Hydrogen and Fuel Cell Day in reference to its atomic weight (1.008 amu).

Hydrogen Fuel Cell technologies are among the various pathways that could pave way to deploy renewable energy sources for all the energy related applications with CO₂-free energy cycles. The aim and objective of this workshop is to encourage, develop and promote hydrogen energy and fuel cell and its applications in the country.

HIGHLIGHTS

- Inspiring talks from eminent scientists, industrialists, and academicians
- Interaction with leading researchers/technologists
- Panel discussion on the topic "What Ails Commercialization of Hydrogen & Fuel Cells"

6th - Hydrogen Workshop titled

India's Hydrogen Odyssey: Industrial Insights into a Green Energy Future

AGENDA

*Venue: Raman Hall,
E-Block Ground Floor, IITM Research Park*

4th Oct 2023

09.00 - 10.00

Registration

10.00 - 11.00

Inauguration

Welcome Address

Dr. Tata Narasinga Rao

Director, ARCI

Workshop Introduction

Dr. K. Ramya

Head, CFCT, ARCI Chennai

Chief Guest

Dr. B. Venkataraman

Director, IGCAR

Vote of Thanks

Dr. R. Balaji

Sr. Scientist, CFCT, ARCI, Chennai

Photo Session

11.00 - 11.15

High Tea

6th - Hydrogen Workshop titled

India's Hydrogen Odyssey: Industrial Insights into a Green Energy Future

AGENDA

04/10/2023

11:15 - 12:00

Shri. GANAPATHY IYER

General Manager, New Energy – Fuel Cells,
Rel Pro & Prop ManSer Ltd

12:00 - 12:45

Dr. S. KARTHIKEYAN

Domain Head - Fuel Cell, Product Development, Ashok Leyland Ltd.
Topic: A Review on Hydrogen Fuel and Storage System, Product Design for PEM Fuel Cell Vehicle Applications.

12:45 - 13:30

Networking Lunch

13:30 - 14:30

Panel Discussion -

"What Ails Commercialization of Hydrogen & Fuel Cells"

Members: **Dr. TATA NARASINGA RAO**, Director, ARCI

Shri. KUHAN MADHAN, Public Policy Specialist, Guidance, TamilNadu

Shri. GOPI SANKAR, Vice President, Advance Engineering, Ashok Leyland

Shri. AMRISH GUPTA, Sr. DGM - FCR, BHEL Corporate R&D

Dr. M. NARAYANA RAO, President-EU, The KCP Limited

Dr. N. RAJALAKSHMI, Professor of Practice (IIT Dharwad)

14:30 - 15:15

Shri. VINAY KUMAR MYSORE

Head, ZEV e-powertrain, Toyota Kirloskar, Bengaluru
Topic: Hydrogen Society: Sustainability

15:15 - 16:00

Dr. ANAND VASAPPANAVARA

Principal Control & Automation Engineer,
EH group Engineering AG
Topic: EH efforts towards Hydrogen Fuel Cell power systems development

16:00 - 16:15

Tea

16:15 - 17:00

Shri. SIDDHARTH RASTOGI

Executive Director, MVS Engineering PVT Ltd

17:00 - 17:15

Concluding Remarks

6th Hydrogen Workshop titled India's Hydrogen Odyssey: Industrial Insights into a Green Energy Future

REGISTRATION

- Registration to be made by filling up the google form along with payment made through Demand Draft /Cheque in favour of "ARCI" payable at Chennai or through NEFT transaction
- Google form: <https://forms.gle/efsasAPwGcCbq94JA>
- Payment details are as follows:

Name of the Bank: **Union Bank of India** Account number: **119810100009381**

Branch name: **Madhya Kailash Branch** IFSC code: **UBIN0814971**

Address: Adyar Cancer Institute, Sardar Patel Road, Guindy, Chennai -600036

- Payment to be received on or before **30th September, 2023**.
 - Registration fee: For Faculty/Industry participants: Rs. 1500
 - For Students/Researchers: Rs. 750
- (The fee includes a workshop kit, participation certificate, lunch, and high tea)
- Participants are requested to make their own travel and accommodation arrangements.

ORGANISING COMMITTEE

Chairman

Dr. Tata Narasinga Rao

Director, ARCI,

director@arci.res.in

Convener

Dr. K. Ramya

Head,

Centre for Fuel Cell Technology, ARCI

ramya@arci.res.in

Co-Conveners

Dr. R. Balaji, Dr. V. Raman

Senior Scientists,

Centre for Fuel Cell Technology, ARCI

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