

*2<sup>nd</sup> - One Day Workshop  
on*

# Hydrogen and Fuel Cell for Sustainable Future



**18<sup>th</sup> October 2019**



*Organised by*



**Centre for Fuel Cell Technology (CFCT)  
International Advanced Research Centre for Powder  
Metallurgy and New Materials (ARCI)**

**An Autonomous R&D centre of Dept. of Science & Technology, Government of India**

*Venue*

*IITMRP Auditorium, E- Block, IITM Research Park, Taramani, Chennai – 600113*

## About Centre for Fuel Cell Technology, ARCI

CFCT, one of the premier centre in India, working in the area of development of 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 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.

It is also an endeavour of the centre to use the materials developed for fuel cells in other electrochemical and energy storage devices like batteries and super capacitors. The centre has developed more than 15 know-how process for technology commercialization with more than 25 patents filed and over 220 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 8<sup>th</sup> (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 CO<sub>2</sub>-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
- Live demonstration of hydrogen and fuel cell products developed at Centre for Fuel Cell Technology – ARCI.

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# Organising Committee

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## Convener

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Team Leader

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## Co-Conveners

**Dr. K. Ramya, Dr. R. Balaji, Dr. V. Raman**

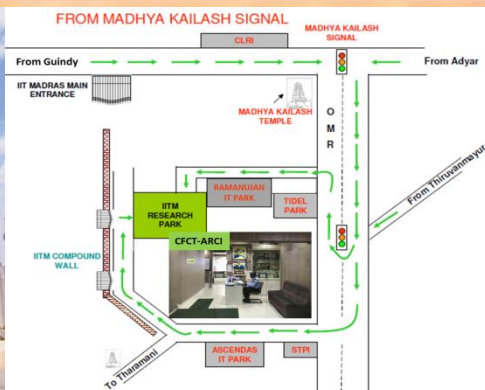
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