

EMPOWERING NEXT GENERATION POWER SYSTEMS WITH HYDROGEN IN INDIA

Centre for Fuel Cell Technology (CFCT), International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI), Chennai, conducted a one-day workshop on 'Empowering next generation power systems with hydrogen in India' on October 8th, 2018 at Indian Institute of Technology-Madras Research Park Auditorium, Chennai. This workshop was conducted to commemorate the 'National Hydrogen and Fuel Cell Day', which was created to raise awareness of a clean energy technology based on Hydrogen. Globally, October 8th (10.08) was chosen as a National Hydrogen and Fuel Cell day in reference to the hydrogen's atomic weight (1.008 amu). The aim and objective of this workshop is to encourage, develop and promote hydrogen energy and fuel cell and its applications in the country.

Dr. G. Padmanabham, Director-ARCI and Dr. R. Gopalan, Associate Director-ARCI welcomed the delegates and delivered a brief introduction about ARCI and the activities at CFCT. The workshop was inaugurated by the Chief Guests, Prof. G. Sundararajan, Distinguished Emeritus Scientist, ARCI and Dr. Vijayamohanan K Pillai, Director, CSIR-CECRI, Karaikudi.



Welcome remarks by Dr. G Padmanabham (left) and Chief Guest talk by Dr. Vijayamohanan K Pillai (right)



H₂FC 2018-workshop

The workshop was well thought-out with series of invited lectures by few eminent industrialists/academicians/researchers who are forefront in the hydrogen and fuel cell technology development. Invited speakers included Directors, Scientists and Managerial Heads from premier institutions like CSIR-CECRI, CSIR-IMMT, VSSC-ISRO, ARAI, GAIL, TATA-GTIO, Thermax, BHEL, Mahindra & Mahindra and IOCL. The lectures delivered had insights on various focuses from the research standpoint to development and application of Fuel cell systems.



Invited Lectures & Sponsors

There were about a total of 70 participants (20 Faculties and 50 students) who attended the workshop from various institutions across the country, IITs (Madras, Bombay, Gandhinagar, Mandi), Gandhigram rural institute, Alagappa university, SRM, SSN, VIT, VELS university, MS University, KLU, Kalasalingam and CSIR-CECRI.



Discussion and interaction with the participants and delegates

The workshop also included a lab visit to the CFCT and demonstration of 5kW PEMFC stack for the participants and delegates. The workshop had an inspirational take away for the future generation of energy power systems.



Lab visit and Demonstration at CFCT, Chennai