



Thursday, 27 June, 2024 | 09:30AM

CSIR - Central Glass & Ceramic
Research Institute

Kolkata, West Bengal - 700 032

Hybrid Mode



OPENING

09:30AM - 09:45AM

Welcome address by Dr. (Mrs.) Suman Kumari Mishra,
Director, CSIR-CGCRI, Kolkata

09:45AM - 10:00AM

Remarks and Views on Green Hydrogen in perspective of
CSIR-CGCRI by Dr. Ashish K. Lele, Director, CSIR-NCL and
Theme Director of EED, CSIR

10:00AM - 10:15AM

Speech by Chief Guest, Prof. Ratan Mandal, Professor &
Director. School of Energy studies, Jadavpur University

10:15AM - 10:30AM

Special Guest Speech by Shri Sridharan Rangarajan,
Managing Director, M/s Carborundum Universal (CUMI)

10:30AM - 10:45AM

Session closure by Dr. Jayanta Mukhopadhyay,
Sr. Pr. Scientist and Head, EMDD, CSIR-CGCRI

10:45AM - 11:15AM HIGH TEA BREAK

TECHNICAL PRESENTATIONS

11:15AM - 11:45AM

Lecture entitled 'CSIR-CGCRI's initiative for Solid Oxide
Cell Technology' by Dr. B. Chanda & Dr. G. K. Gupta,
Scientists, EMDD, CSIR-CGCRI

11:45AM - 12:15PM

Lecture entitled 'Role of advanced ceramics technology at
CUMI & its green hydrogen initiative: A Comprehensive
Business roadmap' by Prathap Kumar, Business HEAD, IC
Hossur, M/S Carborundum Universal (CUMI)

ONE WEEK ONE THEME ENERGY
CSIR-CGCRI - 27 JUNE 2024



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ONE WEEK ONE THEME ENERGY
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12:15PM - 12:45PM

Lecture entitled 'CUMI's Quest into Solid Oxide Cell based Hydrogen Technology sync with CSIR' by Dr. Santanu Mandal, Sr. GM & Head R&D, M/S Carborundum Universal(CUMI)

12:45PM - 01:15PM

Lecture entitled 'Potential of Renewable Energy for Green Hydrogen production in the context of Indian Perspective' by Prof. Ratan Mandal, Professor & Director School of Energy studies, Jadavpur University

01:15PM - 01:30PM

Lecture entitled 'Future Batteries: Paper Cell for curved surfaces & ASSLBs for high energy density and safety' by Dr. Wasim Raja, Sr. Scientist, EMDD, CSIR-CGCRI

01:30PM - 01:45PM

Lecture entitled 'On-site portable Hydrogen generator (0.5-10 LPM) using PEM & AEM technology and up to 1kW IOT assisted PEM Fuel Cells' by Dr. M. R. Motapothula, Director and Founder, Shakti Photon Solutions Pvt. Ltd.

01:45PM - 02:30 PM LUNCH BREAK

TECHNICAL PRESENTATIONS

02:30PM - 03:00PM

Lecture entitled 'RSOFC, a key technology for Polygeneration in modern energy systems' by Dr. Rathindra N. Das, Ex G.M. BHEL & CEO Dense Power, Bangalore

03:00PM - 03:30PM

Lecture entitled 'Photocatalysis for Solar Water Splitting: a perspective of CSIR-CGCRI' by Dr. A. R. Allu & Dr. S. Ghosh Sr. Scientists, EMDD, CSIR-CGCRI

03:30PM - 04:00PM

Lecture entitled 'Hydrogen Technologies at the Spanish National Research Council (CSIC)' by Glenn C. Mather, Instituto de Cerámica y Vidrio Consejo, Madrid, Spain



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ONE WEEK ONE THEME ENERGY
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04:00PM - 05:00PM

Panel Discussion on 'Make in India Approach for Greener Climate through Energy Generation, Utilization and Storage in Hydrogen Value Chain'

DIRECTORS:

- Dr. (Mrs.) Suman Kumari Mishra, Director, CSIR-CGCRI
- Dr. Ashish K. Lele, Director, CSIR-NCL and Theme Director of EED, CSIR

INDUSTRY STAKE HOLDERS:

- Shri Sridharan Rangarajan, MD, CUMI
- Dr. S. Mandal, Sr. GM & Head R&D, CUMI
- Dr. R. N. Das, CEO, Dense Power
- Mr. R. K. Sen, Director, DGT Engineers Pvt Ltd
- Dr. C.D. Madhusoodana, GM (R&D), BHEL
- Mr. M. Bethapudi, Director, UNIVERSE Mobility Pvt Ltd.

R&D ORGANIZATIONS AND ACADEMIA:

- Prof. Ratan Mandal, Professor & Director, School of Energy studies, Jadavpur University
- Dr. Glenn, Instituto de Cerámica y Vidrio Consejo Madrid, Spain

Dr. Jayanta Mukhopadhyay, Sr. Pr. Scientist & Head, EMDD
CSIR-CGCRI (**Moderator**)

05:00PM - 05:10PM

Closing of the Technical Session

05:10PM - 05:30PM AFTERNOON TEA BREAK

05:30PM - 06:30PM

Laboratory visit for the Solid Oxide Cell value chain, Solid State Battery and Photocatalysis and Showcasing the technology through online video