

SCALE 2024
Date: 4th – 6th March 2024
Bombay Exhibition Centre Goregaon (East), Mumbai
EXHIBITION HALL NO 3
Day 1: Monday, 4th March 2024

9:00 am: INAUGURATION ChemTECH World Expo 2024
HALL NO 1, GATE NO 2

Inaugural Session	
12:00 pm - 1:15 pm	
Welcome & Chairman's Address	Mr. Mirik Gogri, Head of Corporate Strategy, Aarti Industries Ltd & Chairman SCALE 2024
	Chemtech 50 Years Video
Keynote Address	Dr. Gaurav Sant, Professor & Pritzker Chair in Sustainability, UCLA
Guest of Honour	Dr SSV Ramakumar. former Director R&D, IndianOil
Chief Guest	Dr Anil Kakodkar, Former Chairman Atomic Energy Commission of India and the Secretary to the Government of India
Networking Lunch: Break: 1:15pm – 2:00 pm	
SESSION I: Baseload Clean Energy/ Coal Plant Reuse & Industrial Heat	
2:00 pm – 3:30 pm	
Session Chair	Mr. P K Gupta, GM-Energy Transition, NTPC
Commercialising Drilling Technology to Access Super-Hot Geothermal	Mr. James Benesatos, Business Development Head, Quaise Energy
Increasing Power Plant efficiency with Supercritical Carbon Dioxide (sCO₂) power cycles	Mr. Markus Lesemann, Director-Business Development, GTI sCO₂
Aneutronic Nuclear Fusion using Hydrogen & Boron	Mr. Jan Kirchhoff, Co- Founder, HB-11 Energy
Digital Platform for Bioenergy Supply Chain	Mr. Suhas Baxi, Founder, BiofuelCircle
Converting Agri & Food Waste to CBG & Bio-CNG	Mr. Rajesh Ayyapasur, Business Development Head, GPS Renewables, Optimaxx, Biourja
Zero Emissions Industrial Heat	Mr. Ranjeet Mankikar, Head of Product Operations, Antora Energy
Q&A	

Tea/ Coffee Break : 3:30 pm – 3:45 pm

SESSION II: Long Duration Energy Storage

3:45 pm – 4:45 pm

Session Chair	Mr. J C Kakoti, General Manager and HOD (Hydro Engineering), NTPC
High Density Pumped Hydro Storage	Mr. Stephen Crosher, CEO, RheEnergise Limited
Energy Management Software & Integration of Energy Storage Systems for Power sector applications.	Mr. Ayush Misra, Founder, Amperehour Energy
Sustainable, Safe and Scalable Energy Storage by Organic SolidFlow Battery	Ms. Nastaran Krawczyk, CTO, CMBlu Energy
High density Li-ion batteries with proprietary Silicon Anode Technology	Mr. Animesh Jha, Founder, Volt14 Solutions

Q&A

Session III : Solar

4:45 pm – 5:45 pm

Session Chair	Mr Arun Appadurai, Head of Technology , Computational Sciences, Adani Solar
Electroplating process for replacing silver with copper for solar cells contacts.	Mr. Markus Glatthaar, CEO, PV2plus
Developing Photon Multiplier Materials increase the performance of existing Silicon Solar Panels by as much as 15%	Prof. Akshay Rao, Cambridge Photon
Developing innovative Solid State Coatings to address solar panel efficiency, high maintenance cost	Mr. Harsh Sethi, Founder & CEO, TriNANO Technologies Pvt Ltd
Using photochromic Molecules to Store Solar Energy	Dr. Jacob Elholm, Molecular Solar Thermal

Q&A