





HYBRID EVENT



INDIA ENERGY STORAGE WEEK 2022

2-6 MAY 2022 | NEW DELHI

AGENDA

 2^{ND} , 5^{TH} , 6^{TH} MAY – THE LALIT HOTEL

3RD, 4TH MAY- PRAGATI MAIDAN (HALL 8,9,10)



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WORKSHOP ON ADVANCED ENERGY STORAGE TECHNOLOGIES & APPLICATIONS

Track 1 Workshop 1 2nd May 2022 - Monday 10:00 - 12:00 IST			
Time	Торіс	Speaker	
10:00 – 10:30 hours IST	Advanced energy storage technology overview, technology parameters and comparisons	Dr. Rahul Walawalkar, President, IESA, MD, CES (India)	
10:30 – 11:00 hours IST	10:30 – 11:00 hours IST Energy storage applications for EV & stationary Avanthika Satheesh, Industry Emerging Technologies, Cust		
11:00 – 11:30 hours IST	Advanced materials for energy storage and advanced lithium-ion batteries for EV applications	Dr. Venkateswarlu Manne, R & D - Lithium-ion Battery Technology, Amara Raja Batteries Ltd	
11:30 – 12:00 hours IST	Stationary battery storage for successful energy transition - applications, developments, and challenge	Dr. Matthias Vetter, Head of Department - Electrical Energy Storage at Fraunhofer Institute for Solar Energy Systems ISE, Freiburg - Germany	

WORKSHOP ON ENERGY STORAGE FINANCE AND MODELLING

Track 1 Workshop 2 2nd May 2022 - Monday 12:00 - 14:00 IST		
Time	Торіс	Speaker
12:00 – 12:20 hours IST	Technology introduction	Vinayak Walimbe, VP – Emerging Technologies, Customized Energy Solutions
12:20 – 13:20 hours IST	Project specific financial model & CoMETS usage	Vinayak Walimbe, VP – Emerging Technologies, Customized Energy Solutions Pranao Walekar, Product Manager – CoMETS, Customized Energy Solutions
13:20 – 13:40 hours IST	System level case studies (production cost model)	Vijay C S, Senior Analyst, Customized Energy Solutions
13:40 – 14:00 hours IST		Q&A





WORKSHOP ON ENERGY ACCESS & MICROGRIDS

Track 1 | Workshop 3 | 2nd May 2022 – Monday| 15:00 - 17:00 IST

Time	Торіс	Speaker
15:00 – 15:20 hours IST	Welcome address & introduction	Harsh Thacker, Director, Consulting Services ET, CES (India)
15:20 – 15:40 hours IST	Energy & employment generation though minigrid	Soman Chakroborty - Technical Manager, Mlinda Sustainable Environment
15:40 – 16:00 hours IST	Experience of minigrid sector for livelihood in India	Rekha Krishnan, CEO, CLEAN
16:00 – 16:40 hours IST	CES' micro initiative (small scale agri- processing through minigrid in rural India)	Nitin Akhade, Manager - MICRO, CES
16:40 – 17:00 hours IST	Minigrids at high altitude	Jaideep Bansal, Chief Executive Officer, Global Himalayan Expedition (GHE)





ROUNDTABLE ON UNIDO FLCTD INNOVATION CHALLENGE ON EES SYSTEMS 2022

Track 2 Workshop 1 2nd May 2022 - Monday 10:00 - 12:00 IST			
Time	Points for Discussion	Speakers	
10:00 – 10:15 hours IST	Introduction & welcome remarks	Debi Prasad Dash, Executive Director, IESA	
10:15 – 15:30 hours IST	 Introduction to the innovation challenge Program objective and structure Benefits offered Application process 	Sandeep Tandon, National Project Manager, UNIDO	
10:30 – 11:45 hours IST	 Industry - Innovators discussion Expectations of industry thought leaders from start-ups in terms of innovations addressing the bottle necks of the industry How emerging companies / start-ups should focus on solving such problem statements 	 Past Winners: Paras Kaushal, Co-Founder, CellProp Sourbh Brahmanathkar, Co-Founder, Go Vidyouth Mobility Rutooj V. Shete, Manager, SCILLP Ramesh Arora, Head of Operations VFlow Tech Mahi Singh, Co-Founder, Cancrie Ankush Raina, VP-Industrial Design, Log9 Materials Sneha Mishra, Project Manager, Off-grid Energy Labs Key Participants Anish Somani, Innovation Lead, Atal Innovation Mission, NITI Aayog Arghya Sardar, Scientist F and Head, Technology Foresight for Automotive R&D (TFAR), TIFAC Apoorv Balwani, PLUSS advanced Technologies Kushal Banerjee, Chief General Manager- Business Development, CS&P and BD, Hindustan Petroleum Corporation Ltd Binoy Sarangi, AGM, ReNew Power 	
11:45 – 12:00 hours IST		Q&A	





UNDERSTANDING THE TEST CHALLENGES AND METHODOLOGIES AROUND CHARGING INTERFACES (EV AND EVSE) & BATTERY TESTS

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Track 2 | Workshop 2 | 2nd May 2022 - Monday | 12:00 - 14:00 IST

Time	Points for Discussion	Speakers
12:00 – 12:05 hours IST	Opening note	Bhupesh Verma, Manager – Market Research, IESA
12:05 – 12:20 hours IST	Overview from Keysight – e-Mobility	Rajesh Sawant, Sales Manager - India (Automotive & Energy), Keysight Technologies
12:20 – 13:45 hours IST	Understanding the test challenges and methodologies around charging and battery	Kushal Mishra, Automotive Solutions Technical Lead, Keysight Technologies
13:45 – 14:00 hours IST	Q&A / De	mo

WORKSHOP ON BATTERY SAFETY

Track 2 Workshop 3 2nd May 2022 - Monday 15:00 - 17:00 IST			
Time	Торіс	Speaker	
15:00 – 15:15 hours IST	Fire in EV: Current scenario	Dr Rahul Walawalkar, President, IESA	
15:15 – 15:30 hours IST	Safer EESS and EV – Safer India: A perspective	Bureau of Indian Standards (BIS)	
15:30 – 16:00 hours IST	Case study: Development of standard for e-Mobility	Dr Judy Jeevarajan, Vice President & Executive Director Electrochemical Safety Research Institute, Underwriters Laboratories Inc.	
16:00 – 16:30 hours IST	Automotive safety - functional & constructional safety for EVs	Kumar Prasad Telikepalli, CTO and Co-Founder, Matter	
16:30 – 17:00 hours IST	Safe battery pack	Hemant Charaya, VP - Battery Cell Technology, Log9 Materials	





MANUFACTURING AND R&D





	3rd May - Tuesday Pragati Maidan		
Time	Торіс	Speaker	
10:00 - 11:15 hours IST	Global race for giga factories and roadmap for India (ACC PLI scheme and status update	 Moderator: Dr Rahul Walawalkar, President, IESA, MD, CES (India) Keynote Speaker: Amitabh Kant, CEO, NITI Aayog Panellist: Bård Karlsen, EVP, Performance and Operations, Morrow Batteries Vikram Handa, MD, Epsilon Advanced Materials, Co-Chair, India Battery Supply Chain Council (IBSCC) C. Robert Pedraza, Chief Executive Officer, Primet Precision Materials, Member- IESA Leadership Council Vijayanand Samudrala, President (New Energy), Amara Raja Batteries Limited 	
11:45 - 13:00 hours IST	Securing raw materials & building supply chain	 Session Chair: Shri Sudhendu Sinha, Advisor, Infrastructure Connectivity & Electric Mobility, NITI Aayog Panellist: Vikram Handa, MD, Epsilon Advanced Material Pvt. Ltd., Co-Chair, India Battery Supply Chain Council (IBSCC) Stacy Osenbaugh, Commercialisation Manager, Future Battery Industries CRC (FBICRC), Western Australia Brieux Boisdequin, Vice President, Automotive & Materials (India), BASF Dr. Harin Kanani, MD, Neogen Chemicals 	
14:00 - 15:00 hours IST	Energy storage manufacturing process	 Moderator: Harsh Thacker, Director, Consulting Services, ET, CES (India) Panellist: C. Robert Pedraza, Chief Executive Officer, Primet Precision Materials, Member- Leadership Council Colin Morris, Business Development Director, Clean Technology Systems, Dürr Megtec Bernd Frank, Global OEM Director, Atotech Atul Patil, AVP, Bry-Air 	
15:00 -16:00 hours IST	Niche energy storage chemistries and manufacturing opportunities	 Moderator: Sujit Jena, Senior Associate, NITI Aayog Panellist: Rakesh Malhotra, Founder, Livguard & SAR Group Akshay Singhal, Founder & CEO, Log9 Materials R Gopalan, Regional Director, ARCI 	





Time	Торіс	Speaker
16:00 - 17:00 hours IST	Requirement of skill development and capacity building for energy storage industry	 Moderator: Rasika Sarnaik, Manager, IESA Academy, CES Keynote Speaker: Prof. Ashok Jhunjhunwala, Institute Professor, IIT Madras, President and Board Member, IITMRP, IITMIC and RTBI Panellist: Sajid Mubashir, Scientist G, (EV_R&D Mission EV Charging Standards), Dept. Science & Technology (DST) Anil Rajanna, Managing Director & Country Head, Fluence Energy Mani Khurana, Sr. Energy Specialist, World Bank Dr. Surekha Deshmukh, Domain Consultant- Analytics & Insights, TCS, Pune, Chair - IEEE PES India Chapter Council





CEO ROUNDTABLE | 3RD MAY 2022 - TUESDAY 16:00 - 18:00 HOURS IST



- ✤ Anant Nahata, Managing Director, EXICOM
- Vijayanand S, President(New Energy), AMARA RAJA
- Gurpreet Bhatia, CEO, Livguard Energy Technology
- ✤ Renuka Gera, Director (IS&P), BHEL
- ✤ Naveen Goudar, MD, Atotech (India)
- Vikram Handa, MD, Epsilon Advanced Material Pvt. Ltd
- Dr. Rahul Walawalkar, President, IESA, MD, CES (India)
- Stephen Fernands, President, Customized Energy Solutions
- * Robert Pedraza, Chief Executive Officer, Primet Precision Materials
- ✤ Arne Lorenzen, CEO, EDF
- ✤ Achal Sondhi, VP Growth, APAC, Fluence*
- Dr. Harin Kanani, Director, Neogen Chemicals Ltd
- ✤ Anil Bhat, Business CEO, Distribution Energy, Amplus Solar
- Dr. Ravi M. Bhatkal, Managing Director (India), Mac Dermid Alpha Electronics Solutions *
- Rajesh Bansal, CEO, BSES Rajdhani
- ✤ Anmol Jaggi, Co-Founder, Blu Smart
- Dr Vikas Almadi, MD, VNT
- ✤ Akshay Kashyap, Founder & MD, Greenfuel Energy
- Prabhajit Kumar Sarkar, MD, CEO, PXIL
- * Nitin Sharma, Co-Founder and Director, Newen Systems
- ✤ Aditya Trivedi, Director, AES (India)
- Siddharth Mayur, Founder President & CEO, H2E Power
- Deb Mukherji, MD, Omega Seiki Mobility
- ✤ Akshay Singhal, Founder & CEO, Log9 Materials
- Manikkan Sangameswaran, Executive Director & CEO, Radiance Renewable
- Aditya Vikram, MD, Renon India
- Venkat Rajaraman, CEO, Cygni Energy
- ✤ Ayush Mishra, Co-Founder & CEO, Amperehour Energy
- Brieux Boisdequin, Vice President, Automotive & Materials (India), BASF *
- ✤ Mahesh Godi, Founder & CEO, Godi Energy
- Parag Mehta, Founder & CEO Evolute Group
- Pinaki Bhattacharyya, Founder, MD and CEO, AMP Energy India
- Anjani Sri Mourya, Co-Founder & Managing Director, Allox
- Shaibal " Casper " Ghosh, CEO Tesla Power USA (APAC)
- Radhesh Welling, Managing Director, Navin Fluorine International Limited(NFIL)*
- ✤ Arun Pratap Singh Co-Founder and COO, Matter
- ♦ Mr. Hiren Pravin Shah, Executive Director & CEO, RePlusEngitech
- Debi Prasad dash, Executive Director, IESA
- Abhinav Mahajan, Director, Integrated Batteries India Pvt. Ltd
- Col Karandeep Singh (Retd), CEO- Founder Director, FC TecNrgy





ELECTRIC MOBILITY





	4th May- Wednesday Pragati Maidan		
Time	Торіс	Speaker	
10:00 - 11:15 hours IST	e-Mobility drivers and growth in India (policy, market, vision)	 Moderator: Debi Prasad Dash, Executive Director, IESA Panellist: Vikram Gulati, Country Head & Sr. Vice President (EA, PR, CSR, & CG), Toyota Kirloskar Motors Nishant Arya, Vice Chairman, JBM Akash Passey, President- Bus Division & e Mobility, Volvo Eicher Commercial Vehicles Anant Nahata, Managing Director, Exicom Tele-Systems 	
11:45 - 13:00 hours IST	EV 360 - Electric mobility manufacturing (power train, EV components, battery, battery monitoring and software platform)	 Session Chair: Dr. A K Jindal, Advisor (eMobility), New Product & Technology, Tata Autocomp Systems Limited Panellist: Stefan Louis, CEO, Nexcharge Dr. Kai Philipp Kairies, CEO & Co-founder, Accure Battery Intelligence Dr. Ravi M. Bhatkal, Managing Director (India), Element Solutions, Inc., MacDermid Alpha Electronics Solutions R P Deshpande, Author (Capacitors: Technology & Trends, Ultra Capacitors) Pawan Mulukutla, Director, Clean Mobility and Energy Tech, WRI India Sadaf A Siddiqui, Marketing Initiative Manager, Keysight Technologies 	
14:00 - 15:00 hours IST	Charging infra & swapping solutions for electric 2w,3w, 4w	 Moderator: Ashok Thakur, Editor-In-Chief, ETN Panellist: Anant Nahata, Managing Director, Exicom Tele-Systems Kartik Hajela, COO & Co-Founder, Log9 Materials Tanveer Singh, COO & Co-Founder, Mooving Smart Mobility and Energy Devanshu Sharma, Distributed Energy Resources, BSES Yamuna Power Chaitanya Kanuri, Senior Program Manager - Electric Mobility, WRI India 	
15:00 - 16:00 hours IST	Charging infra & swapping solutions for commercial and passenger vehicle	 Session Chair: Ashish Kundra, Principal Secretary-cum-Commissioner (Transport Department), Govt. of Delhi. Panellist: Anand Deshpande, Sr. Deputy Director & Head Automotive Electronics Department, Automotive Research Association of India (ARAI) N Mohan, Deputy General Manager (Head - EV Charging Infrastructure), Convergence Energy Services Limited Åsmund Møll Frengstad, Commercial Director, Commercial Director, Current Eco Sveinung André Kvalø, Senior adviser, Department of Analysis and Advisory Services, Norwegian EV Association 	





Time	Торіс	Speaker
16:00 - 17:00 hours IST	Shared and connected mobility	 Moderator: Anupam Jalote, CEO, International Centre for Entrepreneurship and Technology (iCreate) Panellist: Anil G, Co-Founder & COO, Bounce Anmol Jaggi, Co-Founder, Blu Smart Ola Electric*

4th May - Wednesday | IESA Knowledge Session 11:00 - 13:00 Hours IST | | Pragati Maidan (Expo Area)

Time	Торіс	Speakers
11:00 - 11:15 hours IST	Study on technology, challenges, policies on EV*	Ayush Garg, Research Assistant, NMIT
11:30 - 11:45 hours IST	Product launch - Simulation requirement for smarter battery design	Vineet Dravid, Founder, Oorja Energy
11:30 - 11:45 hours IST	Role of green hydrogen in India and the opportunities in enhancing sustainable energy trade*	Maitreyi Karthik, Research Assistant, IRADE
11:45 - 12:00 hours IST	Behind the Meter (BTM) battery storage possibilities	Gaurav Patel, Technical Officer, GERMI





FOUNDERS ROUNDATABLE | 4TH MAY 2022 - WEDNESDAY 15:00 – 17:00 HOURS IST



- Kartik Hajela, Co-Founder & COO, Log9 Materials
- Akash Gupta, Co-Founder & CEO, Zypp Electric
- Anil G, Co-Founder & COO, Bounce
- Tanveer Singh, COO & Co-Founder, Mooving Smart Mobility and Energy
- Manish Tapadiya, Founder & Managing Partner, Scion Energy Storage
- Avinash Sharma, Co-founder & CEO, ElectricPe
- Pulkit Khurana, Co-Founder and CEO, BatterySmart
- Akash Gupta, CEO, Clean Electric
- Vineet Dravid, Founder, Oorja Energy
- Rimanshu Goel, Founder, Rimone
- Rohan Singh Bais, Director, Product and Strategy, Ziptrax CleanTech Pvt. Ltd
- Gokul Srinivas, Co-founder, Minion Labs
- Arun Vyas, Co-Founder, Race Energy
- Shubham Jain, Founder, Tresmoto
- Ankit Kapoor, Co-Founder, Electric Fish
- Ramkumar Murari, Cofounder, Vimano





STATIONARY STORAGE





5th May- Thursday Hotel Lalit			
Time	Торіс	Speakers	
10:00 - 11:15 hours IST	Stationary energy storage vision 2030 (policy framework, deployment plan)	 Moderator: Dr Rahul Tongia, Senior Fellow, Centre for Social and Economic Progress (CSEP) Keynote speaker: Shri. Ghanshyam Prasad, Joint Secretary, Ministry of Power, Govt. of India Panellist: Shri. Mohit Bhargava, Executive Director, Head, Renewable Energy Division, NTPC Limited Stephen Fernands, President, Customized Energy Solutions Achal Sondhi, VP - Growth, APAC, Fluence Partha Dey, India Operations Leader & SVP Global Sourcing, EOSE Report Launch "Energy Storage Vision 2030 for India" Presentation on highlights of Report – Bindu Madhavi, Director, Regulatory & Policy, IESA 	
11:45 - 13:00 hours IST	Energy storage for commercial and industrial sector in India	 Moderator: Dr Rahul Walawalkar, President, IESA, MD, CES (India) Keynote Speaker: Shri Dinesh Jagdale, Joint Secretary, Ministry of New and Renewable Energy, Govt. of India Panellist: Dr. Samsul Ekram, Vice President, Exicom Tele-Systems Isabel Chatterton, Director & Regional Industry Head, Infrastructure and Natural Resources (Asia Pacific), International Finance Corporation (IFC) Arun Pratap Singh, Co-Founder and COO, Matter Gerald Bode, Founder & CEO, N-Level Kristin Skofteland, Chief Commercial Officer & Legal Counsel, Beyonder 	
14:00 - 15:00 hours IST	Energy Storage tender and projects	 Moderator: Debi Prasad Dash, Executive Director, IESA Session Chair: Shri. Shailesh Kumar Mishra, Director (PS), Solar Energy Corporation of India (SECI) Panellist: Rupam Raja, Market Director, India – Fluence Vineet Sikka, Head (Network Operations), BSES Rajdhani Power Limited Abhishek Bhattacharjee, Sr Manager (Renewable Energy), NTPC Tata Power DDL* 	





Time	Торіс	Speakers
15:00 -16:00 hours IST	Need for long duration energy storage in India	 Moderator: Pankaj Batra, Project Director, SARI/EI/IRADe &, Ex-Chairperson & Member (Planning), Central Electricity Authority Session Chair: Rajesh Bansal, Chief Executive Officer, BSES Rajdhani Power Panellist: Yashwanth Mahadevan, Sales Leader, Eos Energy Vinayak Walimbe, VP – Emerging Technologies, Customized Energy Solutions VFlowtech*
16:00 -17:00 hours IST	Recycling & Reuse	 Moderator: Bhupesh Verma, Manager, Market Research, IESA Panellist: Satyendra Kumar, Director, Ministry of Environment Forests & Climate Change Dr. Parveen Kumar, Head - Product Development, Exigo Recycling Shilpi Samantray, Senior Manager & Lead - Electric Mobility, Ola Mobility Institute (OMI) V. Manjunath, Standards Manager – South Asia and Sub-Saharan Africa, Underwriters Laboratories Inc
17:00 -18:00 hours IST	Global energy storage outlook	 Moderator: Bindu Madhavi, Director (Policy), IESA Panellist: Patrick Clerens, Secretary General, EASE Aditya Trivedi, Director - BD, AES (India) Dr. Imre Gyuk, Director, Energy Storage Research, Office of Electricity, DoE, USA





GREEN HYDROGEN

Hydrogen Day Partner

Country Partner



Here Norway

6th May - Friday | Hotel Lalit

Time	Торіс	Speakers
10:00 - 11:15 hours IST	National hydrogen roadmap for India	 Moderator: Dr Rahul Walawalkar, President, IESA, MD, CES (India) Session Chair: Shri Tarun Kapoor, Head - Energy Transition Advisory Committee (ETAC), Ministry of Petroleum & Natural Gas (P&NG) Keynote Speaker: Vivek Singla (President, Hydrogen and EV business), Renew Power Madhav Pai, Deputy CEO, WRI India BEE* IOCL* Report Launch by Session Chair: "Green Hydrogen for India: A Finance and Policy Perspective" Presentation on highlights of Report – Anuraag Nallapaneni, Senior Program Associate Hydrogen, WRI India
11:30 - 12:30 hours IST	Global green hydrogen demand and requirement for India in various sector 2030 and beyond	 Moderator: Anuraag Nallapaneni, Senior Program Associate Hydrogen, WRI India Panellist: Siddharth R Mayur, Founder & CEO, h2e Power Systems Rahul Varshney, Country Manager India, Statkraft Alok Kumar, Market Area Manager-Renewables (South Asia), DNV Chandrashekar Chincholkar, Strategic Advisor, KPIT
12:30 - 13:30 hours IST	Exploring the potential of hydrogen from biomass	 Moderator: Madhav Pai, Deputy CEO, WRI India Presentation on "Hydrogen Generation Potential from Biomass" by Krishnaveni Malladi, Consultant Hydrogen, WRI India Panellist: Dr. Parminder Kaur, Senior Policy Fellow DST Kanchan Bhalla, Dy. GM, IREDA* Chandrashekar Chincholkar, Strategic Advisor, KPIT Dr. S Dasappa, Professor, Centre for Sustainable Technologies/ABETS, CGPL, Indian Institute of Science Dr. Preetam Singh, Prof. IIT BHU
14:30 - 15:30 hours IST	Manufacturing & technology landscape	 Moderator: Pawan Mulukutla, Director, Clean Mobility and Energy Tech, WRI India Panellist: Pawan K Mehndiratta, Head, Corporate Centre - Technology & Manufacturing, L&T Green Energy Magnus Thomassen, Chief Product Officer, hystar Bernd Frank, Global OEM Director, Atotech Bernt Skeie, Partner, Clara Venture Labs Guncha Munjal, Project Manager, Hydrogen, WRI India





Time	Торіс	Speakers
15:30 -16:30 hours IST	International collaboration	 Moderator: Subrahmanyam Pulipaka, Chief Executive Officer, NSEFI Panellist: Vegard Frihammer, Green Executive Officer & Founder, Greenstat ASA Frank Wouters, Sr. VP, Reliance Industries Limited, Director, EU GCC Clean Energy Network and Chairman, MENA Hydrogen Alliance Bill Ireland, CEO, Logan Energy Shailendra Bebortha, Country Manager (India), Scatec ASA
16:30 -17:30 hours IST	Green hydrogen projects and opportunities	 Moderator: Debi Prasad Dash, Executive Director, IESA Panellist: Vipul Shah, Sr. General Manager, Fuel cells, India, Bosch Chetan Joshi, Manager, Gas Power Technology, Gcg (Asia), Black & Veatch DMR Panda, General Manager, Hydrogen, NTPC Akshay Bhardwaj, General Manager - Hydrogen & New Business, ACME Cleantech Kiruthika Sadagopan, Manager, Strategy and New Business, L&T *