

# Composites Industries National Conclave and Exhibition 2025

Jointly Organized by CECA ASIA – Composites Excellence Center of Asia, Vadodara | Ahmedabad University, Ahmedabad | Composites Association, Ahmedabad | IIT Gandhinagar | ATIRA – Ahmedabad Textile Industry’s Research Association, Ahmedabad | Nirma University | SSME – Space Society of Mechanical Engineers (ISRO), Ahmedabad | Navrachana University, Vadodara | Pandit Deendayal Energy University, Gandhinagar | ASM International | iACE Gandhinagar | M S University, Vadodara | IPR Gandhinagar | SAMPE, North America | from  
19th and 21st September 2025 at Ahmedabad University, Ahmedabad.

## Day 1 – 19<sup>th</sup> September 2025

08:45 am onwards	Registration – Ahmedabad University Auditorium
09:30 am – 09:40 am	Welcome of Guests by Dr Manoj Sahani, PDEU Gandhinagar
09:40 am – 09:50 am	Address by <b>Professor Sunil Kale, Dean, School of Engineering and Applied Science, Ahmedabad University</b>
09:50 am – 10:00 am	Address by the Distinguished Guest <b>Ms. Rebekah Stacha</b> , Director SAMPE, USA
10.00 am – 10:20 am	Address by the Chief Guest, <b>Dr Nilesh Desai</b> , Director, SAC, ISRO, Ahmedabad
10:20 am – 10:35 am	Address by the Guest of Honour, <b>Mr K Narayan Reddy</b> and <b>Mr. B S Reddy</b>
10:35 am – 10:45 am	Address from the Special Guest, <b>Mr Pragadesh Shah</b> , Director, ATIRA
10:45 am – 10:47 am	<b>Launch</b> of International Conference on Composite Materials and Technologies ( <b>InCoMat–2026</b> ) website, to be held from 13 <sup>th</sup> – 15 <sup>th</sup> March at Ahmedabad University
10.47 am – 11.20 am	Keynote Speech by <b>Mr Naresh Chandra Sharma</b> on <i>Advanced Composites: Changing Landscape of Aerospace &amp; Defence Industry</i>
11:20 am – 11:30 am	Inauguration of <b>Composites CAD Lab, Room 206, GICT Building</b>

## High Tea – 11:30 am to 11:45 am

11.45 am – 12:15 pm	Inaugural address on <b>Advanced Composites Materials: For a better today and tomorrow</b> , <b>Mr Amit Vijay</b> , Director, Rockman Advanced Composites
12:15 pm – 12:35 pm	<i>Glass fibre composite material for cryogenic application</i> , <b>Dr Rajiv Sharma</b> , IPR, Gandhinagar
12.35 pm – 12.55 pm	<i>Advancements in Lightweighting Unmanned Aerial Vehicles (UAVs) Through Carbon Fiber Composites</i> , <b>Mr Rahul Pathare</b> , Reliance Industries Limited
12:55 pm – 01.15 pm	<i>Additive Manufacturing in Composites</i> , <b>Prof Vishvesh Badheka</b> , PDEU, Gandhinagar
01.15 pm – 01:35 pm	<i>Importance of Interface/Interphase &amp; Reliability In Strength Prediction of PMCs</i> , <b>Professor Piyush Gohil</b> , M S University, Vadodara

## Lunch Break – 1:35 pm to 2:35 pm

02:35 pm – 02.55 pm	<i>Present Scenario and Future Ahead of the Indian Composites Industries</i> , <b>Mr Deepak Agrawal</b> , Stratview Research
02:55 pm – 03.30 pm	Panel Discussion on <b>Building the Future Workforce for India’s Composites Sector: Bridging Academia–Industry Skill Gaps</b> , Moderator: <b>Dr Naresh Chandra Sharma</b> Panellists: 1. Mr Jitendra Trivedi 2. Dr Alpa T Bhat 3. Dr Ankush Sharma 4. Dr Mamta Saiyad 5. Mr Amit Vijay

## Tea Break – 3:30 pm to 3:45 pm

03:45 pm – 04:00 pm	<i>Ballistic Performance of Single Fiber and Hybrid Reinforced Composites with Liquid Thermoplastic Resin</i> , <b>Prof Hemant Chouhan</b> , Ahmedabad University
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04:05 pm - 04:20 pm	<i>Dealing challenges with FRP Composites, Dr Alpa T Bhat</i> , Reliance Composites Solutions
04:25 pm – 04:40 pm	<i>Plasma processing of composites, Dr Neerav Jamnapara</i> , IPR, Gandhinagar
04:45 pm – 05:00 pm	Composites in infrastructure, <b>Dr Dhaval Patel</b> , Nikol Advanced Materials, Ahmedabad
05:05 pm – 05:30 pm	<i>Emerging trends in composites for sustainable and resilient infrastructure, Dr Hasan Rangwala and Dr Naman Kantesaria</i> , Nirma University, Ahmedabad

### Day 2 – 20<sup>th</sup> September 2025

09:30 am – 09:50 am	<i>Development and Investigations on Thermo–Mechanical Properties of Carbon Fiber Reinforced Plastic Waste Composites Fabricated Using FDM, Dr Dhaval Shah</i> , Nirma University, Ahmedabad
09:50 am – 10:10 am	<i>Sustainability and Recycling of Composites, Dr Sameer Joshi</i> , Chairman, Indian Plastic Institute, Mumbai
10:10 am – 10:30 am	<i>The Path to Resilient Infrastructure–Retrofitting Tall Structures using Carbon Fiber Composites, Mr Rahul Pathare</i> , Reliance Industries Ltd
10:30 am – 10:50 am	<i>Data–Driven Machine and Deep Learning Regression Method to Predict Hygrothermal Degradation in FRPs with Methodology on Selecting Suitable Predictor, Prof Anand Gaurav</i> , ITM SLS Baroda University
10:50 am - 11:10 am	<i>Automotive Applications of Composites, Professor Prafful Pandey</i> , IIT Gandhinagar

### Tea Break – 11:10 am to 11:25 am

11:25 am – 11:40 am	<i>Advanced Composite Materials &amp; Processing, Dr Sandeep Sharma</i> , Consultant, Bureau of Indian Standards
11:45 am – 12:25 pm	Panel Discussion <b><i>Scaling Up Advanced Composites Manufacturing in India: Technology, Automation, and Global Competitiveness</i></b> , Moderator: Mr Rahul Pathare Panellists: 1. Mr Archal Shah, 2. Dr Ashok Rajpurohit, 3. Mr Ulkesh Desai, 4. Dr Nand Kishore Singh 5. Dr Vivek S Ayar
12:25 pm – 12:50 pm	<i>AI–driven design of composite materials, Prof Shubhabrata Datta</i> , Dept of Mech Engg & Coordinator, Center for Composites and Adv. Mat., SRM Inst. of Sci. & Tech.
12:50 pm – 01:10 pm	<i>Advanced materials for space missions, Mr Nitin Kumar Sharma</i> , Head–Composites Division, SAC–ISRO, Ahmedabad
01:10 pm – 01:30 pm	Presentation from <b>Zund Pvt Ltd</b>

### Lunch Break – 1:30 pm to 2:30 pm

02:30 pm – 2:50 pm	<i>Surface finish/ coating of fibre composite panels &amp; products, Mr Vasant Uchil</i> , Phenolic Resin Expert, Mumbai
2:50 pm – 3:10 pm	<i>Composites–An Innovation you think of, Mr Prashant Trivedi</i> , Eminent Plastic Expert
3:10 pm – 3:30 pm	Presentation ITW Pvt Ltd, Hyderabad

### Tea Break – 3:30 pm to 3:45 pm

03:45 pm – 04:10 pm	<i>The Art of Tooling, Mr Archal Shah</i> , MD, Composites Tomorrow
04:10 pm – 04:35 pm	<i>Metallization and repair of composite materials by cold spray, Prof Nand Kishore Singh</i> , Ahmedabad University
04:35 pm – 05:00 pm	<i>Challenges and Opportunities in Development of Composites for space applications, Mr Prashant Kumar and Mr Prempal</i> , Scientists, SAC–ISRO, Ahmedabad

05:00 pm – 05:30 pm *Use of textiles in Aerospace industry and Composites Application*, **Mr Pradeep Kulshrestha**, United Fiber Composites Pvt Ltd

### Day 3 – 21<sup>st</sup> September 2025

09:30 am – 09:55 am Inauguration of the **Green Hydrogen Conclave**, **Mr B H Talati**, Commissioner, Technical Education, Govt of Gujarat

09:55 am – 10:20 am *Green Hydrogen*, **Mr Sundeep Gupta**, VP – Green Hydrogen and Methanol, Hero Future Energy

10:20 am – 10:45 am *Green Hydrogen production with PEM water electrolyzer and its bottlenecks*, Mr Sukhvant Singh, UTQR, Canada

10:45 am – 11:10 am *GREEN HYDROGEN – Generation Technologies, Challenges and Opportunities*, **Dr Sankararao Mutalya**, Director, Nanosol Energy Pvt Ltd, Hyderabad

11:10 am – 11:35 am *Green Hydrogen and Automotive*, **Mr Rajiv**, Executive Director, iACE, Gandhinagar, Gujarat

### Tea Break – 11:35 am to 11:50 am

11:50 am – 12:15 pm *Innovating the PEM electrolyser stack efficiency and longevity*, **Mr Huron Cacao**, Hydrogen Training Institute, UK

12:15 pm – 12:40 pm *From Electronic Structure to Conductivity: Computational Studies of OER Catalysts for Green Hydrogen Production*, **Mr Lakhanlal**, Research Scholar, Israel

12:40 pm – 1:05 pm *Electrolysers and Techno-economic Pathways for Sustainable Green Hydrogen Production in India*, **Ms Heena Mandloi**, Sr Manager

### Lunch Break – 1:05 pm to 2:05 pm

02:05 pm – 02:30 pm *Advanced Alkaline Water Electrolysis at High Current Density: A case study of Cornerstone Electrolysis Stack*, **Mr Francesco Massari**, Chairman & CEO, F2N Green Hydrogen

02:30 pm – 03:00 pm *Green hydrogen production and its implementation in low-temperature fuel cells for electrochemical propulsion – A vision towards achieving India's net-zero mission*, **Dr Ramesh Kumar Singh**, VIT, Vellore

03:00 pm – 03:30 pm *“Large Volume, Lightweight: Type 4 Composite Tanks for Next-Gen MEGC Integrated and Smart Solutions”* by **Dr Pavel Novak**, Managing Director/CEO-Argo-Anleg Tank Systems GmbH, Germany

03:30 pm – 03:55 pm *“Electrolyzers: Powering the Green Hydrogen Economy”* by **Ms Swapnali Wagh**, TÜV Rheinland, Bangalore

### High Tea – 3:55 pm to 4:10 pm

04:10 pm – 04:35 pm **Valedictory Session & Vote of Thanks**