

The Society for the Advancement of Material and Process Engineering

IACMI Members Meeting

Raj Manchanda, Chief Technology Officer
August 2024



Technical Committees

<https://365.sampe.org/topics>

Advanced Manufacturing

Chair : Muthu Elen, PNNL
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Bonding & Joining

Chair : Felix Chen, Kymeta Corp
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Materials for Extreme
Environments

Chair : Tanaya Mandal, Texas A&M University
tmandal90@tamu.edu

Sustainability

Chair : Zhe Qiang, Univ of Southern Mississippi
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Thermoplastics

Chair : Julieta Barroeta Robles, National Research Council Canada
Julieta.BarroetaRobles@cnrc-nrc.gc.ca

SAMPE WEBINARS SCHEDULE



Webinars

- JULY 17, 2024** **A NEW LAMINATE THEORY: SIMPLIFIED, INVARIANT, AND UNIVERSAL**
Dr. Stephen Tsai
- JULY 22, 2024** **SUSTAINABLE MANUFACTURING AT OAK RIDGE NATIONAL LABORATORY (ORNL) AND THE COMPOSITES INSTITUTE (IACMI): CIRCULAR ECONOMY**
Dr. Uday Vaidya, Dr. Soydan Ozcan, Dr. Halil Tekinalp, Dr. Cait Clarkson, Dr. Matt Korey, Sana Elyas
- AUGUST 21, 2024** **SCIENCE AND PRACTICE OF COMPOSITES PROCESS SIMULATION**
Dr. Anoush Pousartip
- SEPTEMBER 18, 2024** **TOWARD A NEW METHODOLOGY FOR DESIGN AND FAILURE ANALYSIS OF PSA-BONDED JOINTS**
Dr. Michael Larson
- OCTOBER 16, 2024** **A FORENSIC ANALYSIS OF THE TITAN SUBMERSIBLE IMPLOSION**
Dr. Ronald Wagner
- NOVEMBER 20, 2024** **ABLATION TECHNOLOGY ADVANCES - AEROSPACE AND DEFENSE APPLICATIONS**
Dr. Joe Koo
- DECEMBER 18, 2024** **TYPE V COMPOSITE TANK FOR HYDROGEN STORAGE - FABRICATION APPROACHES, TESTING AND CHALLENGES**
Dr. Ranji Vaidyanathan and Matt Villareal
- JANUARY 15, 2025** **THERMOPLASTIC COMPOSITE RECYCLING: FROM DEMONSTRATION TO IMPLEMENTATION**
Dr. Hans Luinge
- MARCH 19, 2025** **ADVANCED AUTOMATED FIBER PLACEMENT STRATEGIES FOR THERMOPLASTICS**
Dr. Waruna Seneviratne
- APRIL 16, 2025** **LIFE CYCLE ANALYSIS OF CARBON FIBRES**
Dr. Ignaas Verpoest

SAMPE Journal Editorial Calendar 2025



SAMPE Journal

EDITORIAL CALENDAR 2025



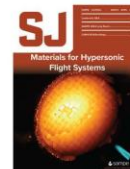
January February

Thermoplastic Composites
(aerospace, automotive, advanced
manufacturing, welding, automation)
Ads close 11/25/2024; Materials due 12/2/2024



March April

Official Show Issue
SAMPE 2025 Indianapolis, IN
Composites for Hydrogen Infrastructure
Ads close 1/27/25; Materials due 2/3/25



May June

Composites and Wind Energy
(life cycle... design to recycling and reuse)
Ads close 3/27; Materials due 4/3



July August

Extreme Materials and Manufacturing
(impact, high temperature, ballistic, hypersonic)
Ads close 5/26; Materials due 6/3

September October

Official Show Issue
CAMX 2025 Orlando, FL
Additive and Advanced Manufacturing
Ads close 7/28; Materials due 8/4



November December

Advances in Composite Reinforcement
(nanodispersions, graphene, advances in fibers,
discontinuous fibers, powder reinforcement, fiber systems)
Ads close 9/26; Materials due 10/3

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Ads close 11/06; Materials due 11/13

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SAMPE Indianapolis 2025

New Tracks :

* Innovation in Materials and Processes for the Automotive Sector

* Technology Development for the Energy Transition

Hydrogen Infrastructure, Batteries, Wind Power, Nuclear Energy, and other relevant areas

SAMPE 2025 CALL FOR ABSTRACTS IS NOW OPEN

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SAMPE 2025 TECHNICAL PAPER TRACKS

- Advances in Materials
- Advances in Manufacturing Technology
- AI and Machine Learning in Materials Processing and Analysis
- Design, Analysis and Simulation
- Defense Programs and Applications
- HiCAM Program Review
- Innovation in Materials and Processes for the Automotive Sector
- Joining and Bonding
- Materials and Structures Characterization
- Materials for Extreme Environments
- A Lifetime of Materials and Composites Advancements: The Impact of Dr. Scott Beckwith
- Sustainability
- Technology Development for the Energy Transition
- Thermoplastic Materials & Processes



10th Anniversary CAMX San Diego 2024

Featured Panels

- From Buzz to Breakthrough: Navigating Additive Manufacturing in Composites
- The State and Future of Automated Inspection of Automated Composite Layups
- Smart Manufacturing Leadership: Driving End-to-End Process Improvement
- Transforming Architecture: The Rise of Structural Composites in Modern Building Construction
- Future of Freight: Composites Leading the Way in Rail, Truck, and Trailer Markets
- CalTrans Sustainability in Transportation Infrastructure

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