



CALL for PAPERS

American Society for Composites 36th Technical Conference

[ASC 2021 TAMU](#)

Texas A&M University **VIRTUAL**

September 19 - 22, 2021

Composites Ingenuity taking on Challenges in Environment-Energy-Economy

Digital prowess is enabling the delivery of seamless continuity from initial conceptual design to final end-of-life of industrial applications with an emphasis on eco-friendly, and economical solutions. As digital-twin and recycle-reuse movements gain momentum, the foundational disciplines of analysis and testing, materials and manufacturing, dynamics, durability and damage tolerance of composites have much to offer and gain. *Special mini-symposia/panels will be planned to share advances in multi-scale simulation, certification by analysis, digital manufacturing and ecofriendly initiatives.*

The conference will provide a platform to present new discoveries and novel solutions in all aspects of composites; PMC, CMC, MMC, hybrid, multi-functional, natural, biodegradable, and cementitious.

The list below is illustrative of areas of interest.

Composites for Energy Applications	Testing & Material Characterization
Autonomous Composites	Impact Dynamic Response
Materials by Design	Airworthiness of Aircraft Structures
Machine Learning & Artificial Intelligence	Metallic and Composite Bonded Joints
Smart Structures & Multifunctional Materials	Buckling & Postbuckling of Composite Structures
Model-based Design for Manufacturing	Verification & Validation of Analysis Tools
Advanced Manufacturing Technologies	Durability and Damage Tolerance

ABSTRACT SUBMISSION PERIOD IS DECEMBER 15, 2020 - FEBRUARY 15, 2021

Conference Co-Chairs: Ana Muliana- MEEN & John Whitcomb-AERO of Texas A&M University

Technical Program Committee Members:

Ana Muliana- TAMU, Evan Pineda-NASA Glenn, Pavana Prabhakar-WISC, Vipul Ranatunga-AFRL, Mehran Tehrani- UTAustin, John Whitcomb-TAMU