

Integrated Manufacturing Webinar Series: Advanced Composite Manufacturing

**November 4** TIMOTHY LONG

5.00-6.00 p.m.

Arizona State University (USA)
**Tailoring Polymer Structure for Additive Manufacturing:
From Vat Photopolymerization of Elastomers to Binder
Jetting Pharmaceuticals**

**November 11** FRANCESCO TORNABENE

1.40-2.30 p.m.

University of Salento (Italy)
**Mechanics of Arbitrarily Shaped Doubly-Curved Shell
Structures Made of Anisotropic and Advanced Materials
Using Higher-order Strong and Weak Formulations**

**November 18** CHRISTOPHE BINETRUY

1.40-2.30 p.m.

Ecole Centrale de Nantes (France)
**Complex Flow Phenomena in Composite Processing:
Experimental Evidence and Modeling**

**November 25** PAUL WEAVER

1.40-2.30 p.m.

University of Limerick (Ireland), University of Bristol (UK)
**Laser-Assisted Thermoplastic AFP: Harmonious Design and
Manufactures of High-Performance Composites**

**December 2** YUNG SHIN

4.00-5.00 p.m.

Purdue University (USA)
**Prediction of Mechanical Properties and Damage of Metal
Matrix Composites**

**December 9** MASAHITO UEDA

1.40-2.30 p.m.

Nihon University (Japan)
3D Printing of Continuous Composites

**December 16** SURESH G ADVANI

4.00-5.00 p.m.

University of Delaware (USA)
**Emerging Role of Process Models and Simulations in
Composites Manufacturing**

**December 23** YİĞİT KARPAT

1.40-2.30 p.m.

Bilkent University (Turkey)
**Model Based Investigation of Cutting Tool-Workpiece
Interactions during Machining of CFRPs**

**January 06** HELMİ ATTİA

2.00-3.00 p.m.

McGill University (Canada)
**Drilling of FRPs and Hybrid Structure for Aerospace
Applications, Using High Speed Cutting, VAD, and Orbital Drilling**

**January 13** SPIRIOS FASSOIS

1.40-2.30 p.m.

University of Patras (Greece)
**Vibration Based Robust Structural Health Monitoring (SHM)
Under Varying Operating Conditions & Uncertainty:
Principles and Advances**