



Time PT	Tuesday, 16 March 2021	Wednesday, 17 March 2021	Time CET
	SESSION	SESSION	
8:00	Introductions: Dr. Scott Beckwith, SAMPE	Introductions: Lou Dorworth, Abaris Training	17:00
8:15	Large Tooling Technology Application Factors Jeff Steensland , Janicki Industries <i>Critical Factors in Large Scale Tooling Structures</i>	Heated Composite Tooling Advancements Brian E. Joseph , Touchstone Advanced Composites <i>Fast, Light-weight Heated Tooling</i>	17:15
8:30			17:30
8:45	Tapered Tooling and Mandrels Wayne Hogarth , Lynco Grinding Co. <i>Tapered Tooling and Innovative Mandrel Solutions</i>	Nickel Shell Tooling Advances Tom Schmitz , Weber Mfg. Technologies <i>Additive Hard Tooling Applications from Nickel Powder</i>	17:45
9:00			18:00
9:15	Tooling for Mid-Volume Fabrication John Unser , Composite Application Group, <i>Tooling for Mid-Volume Composite Fabrication</i>	Demonstration: Large Scale Additive Manufactured (LSAM) Tooling Applications Rick Neff , RICK NEFF LLC <i>Accelerating Composite Prototyping & Production w/Thermwood LSAM Tooling</i>	18:15
9:30			18:30
9:45	Break Time	Break Time	18:45
10:00	Demonstration: Composite Tooling Materials & Innovative Examples Sean Henson , Ascent Aerospace <i>Composite Tooling Technologies – Scaling Hybrid & Additive Tooling in Aerospace</i>	Ceramic Tooling, Washout Options Dr. Zachary Wing , Advanced Ceramics Manufacturing <i>Washout Tooling Review and Best Practices</i>	19:00
10:15			19:15
10:30	Large Format Additive Manufacturing Greg Hays/Zach Skelton , Airtech International <i>Production Ready Tooling with Large Format Additive Manufacturing</i>	Tooling Board Materials Technology Brad Burnett , DUNA USA, <i>Cost-Effective Rapid Prototyping with High-Temperature Tooling Board</i>	19:30
10:45			19:45
11:00	Demonstration: Additive Manufactured Tooling Dr. Ahmed Hassen , Oak Ridge National Lab, <i>Additive Manufacturing for Molds & Dies</i>	Demonstration: Shape Memory Tooling Process Technology Tom Margraf , Spintech Holdings LLC, <i>Smart Tooling for Complex Composites</i>	20:00
11:15			20:15
11:30	Panel Discussion: Open discussion among day's presenters and demonstration leaders with Q&A opportunities	Panel Discussion: Open discussion among day's presenters and demonstration leaders with Q&A opportunities	20:30
11:45			20:45
12:00			21:00

REGISTER TODAY

LEARN MORE