



AGENDA

Date: October 25, 2023

Location: Center for Composite Materials,
University of Delaware

Time (EST)		Presenter
8:15	Welcome and Introduction to ULI	NASA, Ms. Jegley and Dr. Datta
	Session 1: ULI Overview and Highlights	UD-CCM, Prof. Gillespie
9:00	Overview of UAM Market	Joby, Mr. Geriguis
9:20	Education/Workforce Highlights	UD-CCM, Prof. Gillespie and SU, Prof. Mensah
9:40	Break	
	Session 2: Mechanics and Properties of Aligned Short Fiber Composites	
10:00	Unidirectional Tensile Strength: Role of Resin Plasticity, Residual stress, Interfacial Debonding and Friction	UD-CCM, Prof. Gillespie
10:15	Process Induced Fiber Waviness and Residual Stress	UD-CCM, Mr. Chen, Dr. Simacek
10:40	Fatigue Performance of Cross-ply Laminates	UD-CCM, Dr. Parambil
11:00	Self-healing Interphases: Vitrimers	SU, Mr. Tetteh, Prof. Mensah, Prof. Li
	Session 3: Processing of Aligned Short Fiber Composites	
11:20	Advances in Fiber Alignment for Thin Ply Preforms	UD-CCM, Dr. Niknafs, Prof. Gillespie
11:45	Constitutive Models, Forming Limits and New Capabilities	UD-CCM, Dr. Cender
12:15	Lunch	
	Session 4: Part Process Development	
12:45	Joby Forming Development	Joby, Mr. Geriguis, and UD-CCM, Dr. Yarlagadda, Dr. Tierney
1:15	Spirit Forming Development	Spirit, Tymes and UD-CCM, Dr. Yarlagadda
1:40	Automated Tape Placement of Highly Steered TuFF Tapes	UD-CCM, Mr. Fuessel, Mr. Bogetti, Prof Gillespie, and Dr. Cender
	Session 5: Q/A Session with Attendees	UD-CCM, Dr. Dirk Heider, Prof. Gillespie
2:00	CCM Lab Tour, Posters and Demonstrations	
2:00	EAC Closed Meeting;	Chair, Mick Maher
3:00	End of Q/A Session, Lab Tour and EAC Meeting	
3:00	Travel to Application and Technology Transfer Laboratory (ATTL)	
3:20	ATTL Tour TuFF pilot facility and forming cell demonstrations	
3:20	EAC Closed Meeting (continued at ATTL)	
4:30	EAC Feedback	Chair, Mick Maher
4:30	Discussion and Wrap-up	NASA, MS. Jegley
5:00	Adjourn	