

Forum 81 Exhibitor Technical Briefings

Tuesday, May 20 11:30 a.m. – 12:30 p.m. Booth 309

RTX / Collins Aerospace Power Transmission Systems

Title of Briefing: Advanced Rotorcraft Drive Systems

Briefing Description: Optimizing Rotorcraft with lightweight, highly reliable Drive Systems is essential to performance. Drive Systems must accommodate angular and axial misalignments while transmitting torque at all speeds and under all conditions. We will brief the latest in drive system advancements as well as information needed from airframers to optimize the system.

Tuesday, May 20 1:00 p.m. – 1:30 p.m. Booth 308

Continuum Dynamics, Inc.

Title of Briefing: VTOL/eVTOL Downwash Outwash Modeling and Simulation

Briefing Description: Over the last 40 years, CDI has performed extensive R&D related to VTOL aircraft downwash/outwash modeling. We will share our perspectives on the state-of-the-art and what is needed going forward to model eVTOL DWOW.

Wednesday, May 21 9:30 p.m. – 10:15 p.m. Booth 309

RTX / Collins Aerospace

Title of Briefing: Fiber Optic Sensing for Vehicle Health and Fuels Systems

Briefing Description: Collins Aerospace offers fiber optic solutions for load path monitoring and large area strain, pressure-based fuel gauging, and battery health monitoring for all rotary wing applications.

Wednesday, May 21 1:15 p.m. – 1:45 p.m. Booth 317

AVL

Title of Briefing: AVL Advanced Air and Mobility Solutions

Briefing Description: From small electric aircraft to eVTOLs and advanced air mobility, AVL offers battery testing, simulation, and engineering solutions to accelerate the battery development and validation process for aerospace applications.

Wednesday, May 21 1:15 p.m. – 1:45 p.m. Booth 308

Continuum Dynamics, Inc.

Title of Briefing: VTOL/eVTOL Interactional Aerodynamics Modeling and Simulation

Briefing Description: Over the last 40 years, CDI has performed extensive R&D related to VTOL aircraft interactional aerodynamics modeling. We will share our perspectives on the state-of-the-art and what is needed going forward to model eVTOL interactional aerodynamics.

Wednesday, May 21 3:30 p.m. – 4:00 p.m. Booth 701

BLOOMY

Title of Briefing: HIL/SIL Testing Equipment from BLOOMY

Briefing Description: At BLOOMY's booth #701, we will present hardware-in-the-loop (HIL) simulators for flight control system and battery electrification testing using transformative new COTS technology. These systems perform critical systems integration lab (SIL) test capabilities for any new aircraft development or legacy aircraft modernization program which increase safety, performance and reliability while reducing schedule, risk and cost.

Wednesday, May 21 3:30 p.m. – 4:00 p.m. Booth 802

Windings. Inc.

Title of Briefing: Case Study of Electric Motors for Advanced Air Mobility

Briefing Description: Trends, challenges, advanced technology, and design considerations for electric motors used in Advanced Air Mobility. Windings will share our experience and capabilities with over a dozen AAM applications.