AHS International – AIAA – NASA


August 3rd Morning (8:00 am – 11:00 am)

8:00 am – 11:00 am Optional Guided Tour: NASA Ames Research Center (Reservation required, contact Michael Tsairides)

August 3rd Afternoon (11:30 am – 6:00 pm)

11:30 am – 12:30 pm Sign in / Open Discussion (Sandwiches provided to those who paid)

12:30 pm – 12:45 pm Welcome – Tom Edwards, NASA Ames Deputy Center Director

12:45 pm – 1:15 pm Workshop Roadmap Strategy for Transformative Vertiport Capable Flight
  • Workshop objectives, format, process and outcome expectations by Michael Dudley, NASA Ames

1:15 pm – 3:30 pm Advanced Vertiport Capable Flight Concepts (Moderated by Michael Duffy)
  • Simulation of Electric Aircraft Components – Korbinian Petermaier, Siemens Technology
  • Analysis and Full Scale Testing of Joby S4 Propulsion System – Alex Stoll, Joby Aviation
  • Flight Test of NASA GL-10 Distributed Electric Propulsion UAV – Bill Fredericks – NASA Langley
  • Full-Scale Test of LEAPTech Wing – Andy Gibson – ES Aero
  • LIFT! – Modular, Electric Vertical Lift – Michael Duffy, The Boeing Company

3:30 pm – 3:45 pm Afternoon Break (Soft Drinks and Snacks)

3:45 pm – 4:15 pm Advanced Batteries Progress – Aron Newman, ARPA-E

4:15 pm – 5:30 pm Business and Market Opportunities (Moderated by Mark Moore)
  • Existing VTOL Operators Needs Perspective, Mark Moore, NASA Langley
  • Market Drivers for Civil Vertical Lift – Rich Ouellette, The Boeing Company
  • Silicon Valley Early Adopter CONOPs and Market Study – Kevin Antcliff, NASA Langley

5:30 pm – 6:00 pm First Day Wrap Up: Michael Duffy, The Boeing Company

7:00 pm – 9:00 pm Optional AHS Dinner Meeting (Michaels At Shoreline, Dan Newman)
(Cost ~$35 for non-members. $30 for AHS members not included in food service fee.)
August 4th Morning (7:30 am – 12:00 pm)
7:30 am – 8:00 am Continental breakfast and networking

8:00 am – 10:30 am Electric Propulsion & Electric Energy Storage Technologies (Moderated by JoeBen Bevirt)
- Michael Sinkula, Envia Systems
- Josh Buettner-Garrett, Solid Power
- Launchpoint 1 kW and 40 kW Hybrid-Electric Range Extender, Mike Ricci, LaunchPoint Technologies
- Metis 30 kW Turbine-Alternator Hybrid-Electric Range Extender– Rory Keogh, Metis
- SwissTurbine 7 kW and 75 kW Hybrid-Electric Turbine-Alternator Range Extender - Tim Moser, SwissTurbine
- Heavy-Fuel SOFC Fuel Cell – Nick Borer, NASA Langley

10:15 am – 10:45 am Morning Break (Drinks and Snacks)

10:45 am – 11:15 am Advances in Distributed Propulsor Acoustic Modeling, Steve Rizzi, NASA Langley

11:15 am – 12:00 pm Road Mapping Example for On-Demand Mobility, Ken Goodrich, NASA Langley

12:00 pm – 1:00 pm Lunch (Provided if you paid the $75 food charge)
- Lunch Presentation: GoFlyUp HeroX $2 Million Personal VTOL Prize – Gwen Lighter, Lighter Group

August 4th Afternoon (1:00 pm – 5:30 pm)
1:00 pm – 1:15 pm Breakout Sessions’ Instructions (Michael Dudley)

1:15 pm – 2:30 pm Participant Perspectives (Rotating Breakout Sessions)
- Three @ 25-min each with group rotations / Progressive chart build-up with moderation
  - Missions/Operational Concepts – Moderator Mark Moore, NASA
  - Prioritized Technical Challenges – Moderator Brien German, Georgia Tech, Ken Goodrich, NASA
  - Regulatory Roadmap – Moderator Tom Gunnarson, Zee.Aero

2:30 pm – 3:00 pm Afternoon Break (Soft Drinks and Snacks)
- Moderators Prepare Breakout topic summary reports

3:00 pm – 4:30 pm Draft Preliminary Roadmap Skeletal Framework (Combined Working Group)
- Moderator: Mike Dudley
- The three Breakout Session Moderators Report topic summaries
- What is the common vision? How do they come together? What needs to change?

4:30 pm – 5:30 pm Wrap-up / Where Do Have Consensus?
- Closing Panel Discussion: Where Do We Go From Here?

7:00 pm Meet for Dinner (Arranged No Host – not included in registration fee)

August 5th Morning (10:00 am – 2:00 pm)
Optional Tour: Hiller Aviation Museum (Individuals are responsible for arranging their own transportation.)