

Final Schedule for ASDA Stakeholder Meeting

MicaPlex Incubator Conference Room, 1511 Aviation Center Pkwy, Daytona Beach, FL 32114

Online Zoom Access <https://erau.zoom.us/j/97772109372>,

Day 1: (ETZ) - on March 19, Tuesday

- 7:30 am **Participant Registration and Picking Name Tags.**
- 7:30 - 8:30 am **Continental Breakfast and Networking Time**
- 8:30 -8:45 am **Welcome Remarks** (Vice President for Research at Embry-Riddle Aeronautical University, Dr. Jeremy V. Ernst)
- 8:45 - 9:30 am **Vision, Capabilities, and Value Proposition of the Center**
- 8:45 am -9:00 am ERAU Center Director, Drs Hong Liu,
 - 9:00 am - 9:15 am UMBC Site Director, Dr. Houbing Song
 - 9:15- 9:30 am NMSU Site Director, Dr. Liang Sun.
- 9:30 - 10:30 am **NSF IUCRC Presentation** (IUCRC Program Director, Dr. Mohan Kumar, Introduced by Dr. Ernst)
- 10:30 - 10:45 am BREAK
- 10:45 - 12:00 pm **Project Proposal Presentations** 10 minutes presentation and leave 5 minutes for discussion.
- 10:45 am -11:00 am, H. Song, L Sun, H Liu, R. Mankbadi, D Truong, A Abdelghany, and Y. Liu, “ASDA Consortium Vision and Mission. “
 - 11:00 am -11:15 am, - Dr. Taewoo Nam (Toyota Research Institute) and Dr. Liang Sun (NMSU) “Data-Driven Autonomy for High Altitude Aerial Planform”
 - 11:15 am -11:30 am, Dr. Huiping Cao (NMSU), “Machine Learning Approaches to Improve Data Efficiency”
 - 11:30 am – 11:45 am, Dr. Fengyu Wang (NMSU), “Highly decarbonized power system infrastructure planning considering aviation electrification”
 - 11:45 am – 12:00 pm, Dr. Yan Tang, Dr. Colleen Walsh-Conklin, and Dr. Amber Paul, ASDA Workforce Development from K10-PhD Program.

Feedback forms for each project must be filled out (electronic and paper) prior to the start of the next presentation.

- 12:00 - 1:00 pm **Cater Lunch and Tour the MicaPlex Industrial Collaboration Research Park.**
- 1:00 – 1:15 pm **Welcome Remarks and Introduce Speaker Robert S. Katz** (Dr. Peter M. Hoffmann, Dean of College of Arts & Science).
- 1:15 – 1:45 pm **Engineering Entrepreneurial Ecosystems of Emerging Enterprises for Innovation Acceleration**, Robert S. Katz.
- 1:45 – 2:45 pm **Project Proposal Presentations**
- 1:45 pm - 2:00 pm, ERAU Industrial Liaison Office Dan Diessner, “ Industry-University Partnership for Creating the Optimal Next Generation of Aerospace Professionals.”
 - 2:00 pm – 2:15 pm - Dr. Manas Gaur: “Towards Consistent, Explainable, and Safe NeuroSymbolic Models for Critical Applications.”
 - 2:15 – 2:30 pm, Dr. Houbing Song “Big Data Analytics: Enable the Move from Spatiotemporal Data to Safe, Secure and Trustworthy Aviation”.
 - 2:30 pm – 2:45 pm, Dr. Yongxing Liu “Trustworthy-AI for Aviation and Transportation Systems. “
- 2:45 - 3:00 pm **BREAK**
- 3:00 – 4:00 **Industry Workshop** (Panel discussion of projects & company needs that have NOT been addressed in the above Project Presentations)
- 4:00 - 4:15 pm **Review of evening and Day 2 activities and remind the delegates to vote the video project presentations** (Dr. Hong Liu).
- Videos (Posted on ASDA Website) and Poster Session for unrepresented projects, and Networking.** (Participants vote for their favorite projects)
- Cater Food and Beverage are prepared.
- 4:15 - 6:00 pm **Poster ad Videos:**
- Dr. Jianhua Liu and Andrew H, Schneide, “SaL (Speech and Language) – AI Lab to Recognize Air Traffic Communications.”
 - Dr. Siwei Fan, “Space Object Identification and Characterization.”
 - Dr. Burak Cankaya: “XAI and Operations Research in Aerospace Industry.”

- Dr. Tianyu Yang: “Exploiting Big Data for Robust Privacy with Preserved Utility.”
- Dr. Amber Paul: “Personalized Approach for Aerospace and Terrestrial Medicine.”
- Dr. Sirani Perera, “Reduced-complexity Orbital Propagator with Minimum Data.”
- Dr. Dahai Liu and Dr. Jing Yu Pan, “Aviation Sustainable Development: A data-driven approach.”
- Dr. Linfeng Jin, “Big Data Analytics in Aviation Maintenance.”
- Shital Pandey and Alisa Tiselska, Dumindu Samaraweera and Hong Liu, “Minutes not Days: Building the Future Aviation Data.”

Day 2: Scheduled on March 20, Wednesday

- 7:30 - 8:30 am Arrival and Breakfast
- 8:30 - 4:45 am **Welcome Remarks and Introduce Dr. Andy Aldrin** (Dr. Alan J. Stolzer, Dean of College of Aviation).
- 8:45 - 9:15 am **Future Space Exploration, AI, and Big Data,** (Dr. Andy Aldrin)
- 9:15 – 10:15 am **Project Feedback Review and Discussion** (Facilitators: Dr. Andy Aldrin & Dr. H Liu – Academic Participants Listen to the Inputs from Industrial Leaders)
- 10:15 – 10:30 am **BREAK**
- 10:30 - 11:30 am **Center and Site Response to Feedback from Industry Workshop** (Panel led by the PI and Co-PIs of the ERAU Center and Two Sites of NMSU & UMBC)
- 11:30 - 12:00 pm **NSF Closed Session with Industry** (NSF Assigned Planning Grant Advisor: Dr. Robin Greubel)
- 12:00 - 12:30 am **Next Steps, Action Items & Closing Remarks**
(Center and Site Directors Drs. Hong Liu, Houbing Song, and Liang Sun)
- 12:30 am **ADJOURN** (Box lunches)
- 1:30 pm–3:30 pm Optional Campus and ERAU Facility Tour and Participant Initiated Meetings (Dr. Hong Liu)