Wednesday, April 16 (all times in Arizona time zone/GMT -7 hours)

VENUE	Student Union/Lower Hangar
7:00-8:00am	Registration and breakfast
8:00-8:10am	**Welcome and Opening Remarks:** Kenneth Witcher (ERAU-Prescott Chancellor) and Thomas Drape (ERAU CBSI Dean); *TBD*: NSF/NASA, Arizona State
8:10-8:15am	**Overview of Agenda** • Krishna Sampigethaya (ERAU)
8:15-9:00am	**Panel #1: Leadership Perspectives on Aerospace Cybersecurity** Strategic vision, investment in cybersecurity, regulatory landscape, and leadership challenges in securing aviation and space systems. *Moderator*: Jerry Davis (Microsoft) *Panelists:* • Doug Britton (RunSafe) • Stephane Chopart (Airbus) • Janet Grondin (Stellar Solutions) • Levi Gundert (Recorded Future) • David Hopkins (Mesa Air)
9:00-10:00am	**Panel #2: Aircraft and Airline Cybersecurity** Focuses on cyber threats to aircraft systems, airline operations, and airport infrastructure, including avionics, IT/OT security, and passenger data protection. *Moderator*: Scott McCrea (Honeywell Aerospace) *Panelists:* • Mathew Barreras (Mesa Air) • Pamela Davis (Southwest Airlines) • Kathleen Finke (Astronautics Corp) • Matthew Kosednar (United Airlines) • Timothy Mitchell (TM Mitchell Engineering) • Daniel Riechers (Collins Aerospace)
10:00-10:15am	*Break*
10:15-11:15am	**Panel #3: Emerging Industry Advances** Showcases the latest industry-driven innovations in aerospace and cybersecurity, including AAM security, AI-driven security, zero trust architectures, and quantum cryptography. *Moderator*: Anne Boettcher (ERAU) *Panelists:* • Sanjay Bajekal (Collins Aerospace) • Frederick Jones (Raytheon Technologies Research Center) • Sivaraman Mani (Honeywell Aerospace) • Nayyar Rao (Honeywell Aerospace) • Stefan Schwindt (GE Aviation)

11:15-12pm	**Panel #4: Cyber Intelligence and Incident Response** Explores cyber threat intelligence, risk forecasting, and threat actor analysis, highlighting how AI, data analytics, and collaboration improve threat detection and mitigation. *Moderator:* Jon Haass (ERAU) *Panelists:* • Levi Gundert (Recorded Future) • Riley Montgomery (FBI) • Stephen Thomas (NIRT)
12:00-1:15pm	**Lunch (provided to all registered attendees)** • Student research poster presentations (attendees evaluate and choose best poster). • Aviation Cyber CTF Overview, ERAU-Prescott CTF Dev Team.
1:15-2:05pm	**Panel #5: Space Cybersecurity** Examines cybersecurity challenges in space systems, including satellite security, communication network threats, and strategies for securing commercial and government space operations. *Moderator*: Ron Madler (ERAU) *Panelists:* • Jerry Davis (Microsoft) • Drew Hamilton (TAMU) • Alefiya Hussain (USC ISI) • Derek Schatz (Virgin Galactic) • Matt Tomarchio (Deloitte)
2:05-2:50pm	**Panel #6: Cyber Resilience** Discusses strategies, best practices, emerging challenges, and innovations for enhancing aerospace cyber resilience. *Moderator*: Dan Diessner (ERAU CARS) *Panelists:* • William D. Bryant (MTSI) • Lawrence Marsala (BAE Systems) • Matt Mayes (Aerospace Village) • Brian North (Lockheed Martin) • Kyle Wilkerson (ERAU)
2:50-3:00pm	*Break*
3:00-3:50pm	**Panel #7: Research Trends Applicable to Aerospace Cybersecurity** Presents emerging research topics and breakthroughs from academia and research labs, bridging gaps between fundamental research and real-world applications. *Moderator*: Drew Hamilton (TAMU) *Panelists:* • Dan Diessner (ERAU/CARS) • Farid Dowla (LLNL) • Addy Moran (PNNL) • Kandy Phan (Sandia National Labs) • Rajendra K. Raj (RIT) • Raja Sengupta (UC Berkeley)

Time		
3:50-4:50pm	**Engagement Exercise for Students and Professional Attendees** Students and professionals interact in a group activity that may focus on either an aerospace cyber war game or a speed networking + challenge exercise.	
5:00-5:50pm	**IMAX-Length Movie: Living in the Age of Airplanes** ***Venue: Planetarium***	
6:00-7:00pm	**VISITING STUDENTS: Campus dinner at Earhart's** (get your Dinner Voucher at the registration desk!)	
6:30-8:30pm	**Off-site working dinner (open to registered professional attendees).** Reflection on some of last year's grand challenges, a facilitated discussion on emerging issues, and strategies/opportunities to support SFS scholars, such as temporary job assignments, amid federal and DoD hiring delays.	

Thursday, April 17 (all times in Arizona time zone/GMT -7 hours)

Note: two separate venues on campus are listed below.

VENUE	Davis Learning Center (DLC) Auditorium	Lower Hangar
7:00-8:00am	Registration and Breakfast	CTF Registration/Breakfast
8:00-8:05am	**Recap of Day-1 and Overview of Day-2 Agenda** Krishna Sampigethaya (ERAU)	**Aviation Cyber Capture-The-Flag (CTF) STARTS**
8:05-9:00am	**Panel #8: Aviation Cybersecurity Regulations and Standards** Focuses on evolving aviation cybersecurity regulatory frameworks, standards and certification requirements, with insights from industry leaders. ***Moderator:*** Sanjay Bajekal (Collins Aerospace) ***Panelists:*** • Douglas Britton (RunSafe) • Glenn Burnett (Bell) • Don Christie (Honeywell) • Jens Hennig (GAMA) • Stefan Schwindt (GE Aerospace)	**Aviation Cyber CTF** (University teams will compete. Industry attendees encouraged to serve as mentors or participate in the CTF as a learning exercise)
9:00-9:50am	**Panel #9: Workforce and Training Needs** Addresses the growing demand for cybersecurity professionals, discussing workforce challenges, skill gaps, and training programs to build a robust cyber workforce. ***Moderator:*** Parker Northrup (ERAU Prescott) ***Panelists:*** • Matt Mayes (Aerospace Village) • Kandy Phan (Sandia National Labs) • Rajendra K. Raj (RIT) • Drew Recker (Lockheed Martin) • Jayla Thirtyacre (FBI)	

9:50-10:00am	*Break*
10:00-10:50am	**Panel #10: Leadership Journeys in STEM and Aerospace Cybersecurity** Moderated by students, this panel features professionals from academia, government, and industry who share their experiences, career paths, and contributions to the STEM disciplines related to aerospace cybersecurity. *Moderators:* Morgan Finch, Kamryn Hoehne, Rebekah Sokoloski (ERAU-Prescott Cyber Students) *Panelists:* • Pamela Davis (Southwest Airlines) • Alefiya Hussain (USC ISI) • Janet Grondin (Stellar Solutions) • Kaela Martin (ERAU) • Addy Moran (PNNL)	
10:50am-12pm	**Collaboration Building Exercise:** **What we need from the other two?** A collaborative session where industry, academia and government participants define their biggest needs and propose areas for deeper engagement and support.	Lunch for all attendees at 12pm, co-located student poster presentations and CTF activity. **Aviation Cyber CTF** (University teams will compete. Industry attendees can register to serve as mentors or participate in the CTF as a learning exercise!)
12:00-1:30pm	**Lunch (in Lower Hangar) with Students** • Student research poster presentations. • Engage in the CTF as a participant/mentor.	
1:30-1:45pm	**Aero Cybersecurity Grand Challenges from 2024 Workshop** Krishna Sampigethaya (ERAU)	
1:45-3:45pm	**Breakout Group Discussion:** Emerging directions for aerospace cyber security research and education (participants breakout into smaller groups to discuss and identify grand challenges and related near-, mid-, and long-term goals, and report out)	**Aviation Cyber CTF ENDS** Award Presentations (CTF and Poster) in Lower Hangar
3:45pm-4:00pm	**Next Steps**: Where to go from here?	
4:00-4:30pm	Award Presentations (CTF and Poster) in Lower Hangar	
4:30pm	*Workshop Adjourned* (Optional: Guided tour of Prescott Flight Line available hosted by Prof. Parker Northrup)	