AIRPORTECH INTERNATIONAL SYMPOSIUM 2025

Agenda

TUE Symposium Day-0
2/4/2025 - ....

9:00 - 11:00 AM — SMART Association Board Meeting (52)
David Tamir
Locations: Discovery Board Room

12:00 Noon - 1:30 PM — SMART Association Advisory Committee Orientation Lunch
David Tamir
Locations: Continental Ballroom (5-6-7-8)

10:00 AM - 5:00 PM — Exhibitor Setup
Locations: Exhibitor Space

2:00 - 5:00 PM — Short Course: Airport Digital Twins 101
Chris Runde, David Barron, David Tamir, Ed Maghboul, John White, Jorge Quiroz
Locations: Continental Ballroom (5-6-7-8)

6:00 - 8:00 PM — Symposium Welcome Reception with Exhibitors
Locations: Exhibitor Space

"Technology Innovation" Paper Airplane Contest
Locations: Regency A+B+C+D+E+F

WED Symposium Day-1
2/5/2025 - ....

7:30-8:30 AM — Networking Breakfast with Exhibitors
Locations: Exhibitor Space

8:30 - 12:00 Noon — Plenary Kickoff Session
David Tamir
Locations: Continental Ballroom

8:30 - 9:00 AM — Welcome
- SMART Association CEO (11) — David Tamir
- Greater Orlando Aviation Authority (GOAA) (1) — Richard Clarke

9:00 - 9:30 AM — Keynote Speaker
The Future of Smart Airports: Where Innovation Takes Flight Connecting People with Inspiring Journeys
Christiane Baucback

9:30 - 10:00 AM — Speaker
One Dozen Technology Disruptors Enabling Airport Innovations with Exciting Future Possibilities (12)
Chris Runde

10:00 - 10:30 AM — Speakers
FAA Office of Airports Emerging Entrants Division and FAA Technical Center Update on Improving Airport Operations via Unmanned Aircraft Systems (UAS) and Autonomous Ground Vehicle Systems (AGVs)
Carter Garrison, Mike DiPlato

10:30 - 10:45 AM — 15 Minute Networking Break with Exhibitors

10:45 - 11:15 AM — Speaker
10 Counter-Drone Technologies to Detect and Stop Drones Threatening Airport Operations
Donon Bergerbest, Tom Nolan

11:15 - 12:00 Noon — Speaker
Connecting the Dots: Orchestrating Seamless Travel Experiences
Chris Rinn

12:00 - 1:15 PM — Lunch with Special Guest: Retired Rear Admiral Lee Tillotson Discussing his Fascinating Career from Top Gun to Top Airports; being Honored later in the evening with SMART-AIRPORTECH Career Recognition Award
Lee Tillotson
Locations: Continental Ballroom

15 Minute Break

1:15 - 5:00 PM — Plenary AI Session
Locations: Continental Ballroom

Understanding Artificial Intelligence (AI) for Improving Airport Management
David Tamir

1:15 - 1:30 PM — Speaker: Relationship of AI to Business Intelligence (BI) to Digital Twin (DT) — David Tanne
1:30 - 2:15 PM — Speaker: AI-101: Overview of AI Components & Methods Relevant to Airports — Ivan Garibay
2:15 - 2:45 PM — Speaker: A Sampling of Commercially Available Cloud Service AI Tools Relevant to Airports — Mansoreh Mollaghasemi
2:45 - 3:15 PM — 30 Minute Networking Coffee Break with Exhibitors
3:15 - 4:00 PM — Panel Discussion: Embedding AI in Traditional Airport Systems (Panel Discussion) — Dan Vonzer Bill Ferreira, Danny Peleg, Diana Frangarillo, Ivan Garibay, Udi Segall
4:00 - 4:20 PM — Speakers: Developing Macro-Level AI for Airport Management Optimization Leveraging Data from Full Spectrum of Airport Systems — David Tamir, Ivan Garibay
4:20 - 4:50 PM — Speaker: Governing Quality Management and Ethics of AI for Airport Safety & Reliability — Odeen Garibay
4:50 - 5:00 PM — Preview of Continuing Symposium Agenda — David Tamir

5:00 - 6:00 PM Happy Hour Networking with Exhibitors & Sponsors
Locations: Exhibitor Space

6:00 - 7:00 PM — 1 Hour Break

7:00 - 9:00 PM Awards Banquet Dinner "The Oscars for Airport Technology Innovators"
David Tamir, Kevin Barnhart
Locations: Continental Ballroom

- Introductions (6)
- Meal Time
- The Importance of Airports to the Human Experience — Christiane Baucback (1)
- Paper Airplane Contest Winners (5) — Kevin Barnhart
- Airport Technology Innovator Career Recognition Awards (4) — Kevin Barnhart
- Airport Technology Innovator Awards (95)
- Appreciation Recognitions (40)
- Preview of Thursday-Friday

THU Symposium Day-2
2/6/2025 - ....

7:30-8:30 AM — Networking Breakfast with Exhibitors
Locations: Exhibitor Space

8:30 AM - 12:00 Noon — Parallel Tracks on Best Practices Learned from Airport Use-Cases

A Track-A: Digital Transformation for Smaller Agile Airports which may be Leveraged by Larger Ones as Well
Prasad Chittaluru
Locations: Regency A+B+C

- 8:30 - 9:15 AM Speakers — A1 Airport Operations & Maintenance Digital Transformation at Kissimmee Gateway Airport (ISM) — Alessandro Maccarrone, Ramon Senorans (3)
- 9:15 - 10:00 AM Speakers — A2 Airport Administration & Finance Digital Transformation at Kissimmee Gateway Airport (ISM) — Erika Garcia, Parkhuri Khare (4)
- 10:00 - 10:30 AM — 30 Minute Networking Break with Exhibitors
- 10:30 - 11:15 AM Speakers — A3 Upcoming Digital Transformation of Additional Airport Business Processes at Kissimmee Gateway Airport (ISM); including Leasing - Planning - Budgeting - Contracting - Projects, etc. — Erika Garcia, Parkhuri Khare, Ramon Senorans
- 11:15 - 12:00 Noon Speaker — A4 Achieving Integrated Safety Management System (SMS) Efficiently for Part-139 Compliance — Alessandro Maccarone, David Tamir

B Track-B: Building & Sustaining Airport Digital Twins including Cybersecurity
Mansoreh Mollaghasemi
Locations: Regency D+E+F

- 8:30 - 9:15 AM Speakers — B1 Building Information Management (BIM) Standardization for the Capital Improvement Program (CIP) at Miami International Airport (MIA) — Daniel Cinti, Jorge Quiroz, Natalie McCudden
- 9:15 - 10:00 AM Speakers — B2 Unlocking Airport Insights: LiDAR, Imagery, and GIS at CLT — A Week of Scanning -- A Foundation for Years of Impact — Ed Maghboul, Haley Cerri, John White, Zachary Yarbrough
- 10:00 - 10:30 AM — 30 Minute Networking Break with Exhibitors
- 10:30 - 11:15 AM Speakers — B3 A Framework That Stands the Test of Time: Interoperability and Innovation at Los Angeles World Airports (LAWA) — Anna Melkyan, Ed Maghboul
- 11:15 - 12:00 Noon Speaker — B4 A Practical and Holistic Approach to Cybersecurity in the Airport Ecosystem – Digital Twin of Airport Systems Interdependencies — Donon Bergerbest

C Track-C: Airport Passenger Terminal Innovations
Chris Runde
Locations: Continental Ballroom

- 8:30 - 9:15 AM Speaker — C1 Passenger Flow Simplified: Connecting the Dots with Passenger Flow Management Systems (PFMS) — Danny Peleg
- 9:15 - 10:00 AM Speaker — C2 The Airline and the Customer: The Aircraft Turn Around of Digital Identity — Christopher Blasie
- 10:00 - 10:30 AM — 30 Minute Networking Break with Exhibitors
- 10:30 - 11:15 AM Panel Session — C3 Redefining the Airport Experience: How Technology, Design, and Innovation Are Transforming Passenger Journeys (3) — Chris Runde, Christiane Baucback, Christopher Blasie, Dan Vander Bill Ferreira, Jeff Gamble, Richard Clarke
- 11:15 - 12:00 Noon Speaker — C4 Transforming Airport Terminal Operations with Advanced Data and Energy Analytics — Fatma Aouani

12:00 - 1:15 PM — Lunch with Special Guests from Embry Riddle Aeronautical University's School of Airport Management
Aaron Glassman, Kenric Greene

15 Minute Break

1:15 - 5:00 PM — Parallel Tracks on Best Practices Learned from Airport Use-Cases

A Track-A: Small to Large Airports Becoming "EnergyPorts" via Electrification Innovations for Decarbonization and Advanced Air Mobility
Lynn Creelman
Locations: Regency A+B+C

- 1:15 - 1:30 PM Speaker: A Introduction to Airport Electrification and the AAAE Airport Electrification Roadmap Including Value to Airports Planning, Financing, and Operations and Maintenance (O&M) — Lynn Creelman
- 1:30 - 2:15 PM Speakers: A5 Airport Solar Panel Farms Powering Community Energy Needs at Tallahassee Int'l Airport (TLH); World's Largest to Date — Ben Cowart, Ben Pingree
- 2:15 - 2:45 PM Speakers: A6 FAA Approval Process for Airport Solar Development — Pedro Blance
- 2:45 - 3:15 PM — 30 Minute Networking Coffee Break with Exhibitors
- 3:15 - 4:00 PM Speaker: A7 Transformative Impact of Airport Electrification and Advanced Air Mobility (AAM) — Jared Esselman
- 4:00 - 4:45 PM Speaker: A8 Advanced Air Mobility (AAM) Driving Innovations Enhancing Airport Operations from Situational Awareness to Automation — Clint Harper
- 4:45 - 5:00 PM — Preview of Continuing Symposium Agenda — Lynn Creelman

B Track-B: Airport Automation via Robots, Wheeled Platforms, and Drones
Mike DiPlato
Locations: Regency D+E+F

- 1:15 - 2:00 PM Speaker: B1 Leveraging Airport Digital Twins for Integrating Mobile Robotics and Augmented Reality (AR) — Igor Starkov, Matthew Waychoff
- 2:00 - 2:45 PM Speaker: B2 Autonomous Mobile Robots (AMR)s for Airside Operations — Steve Boyle
- 2:45 - 3:15 PM — 30 Minute Networking Coffee Break with Exhibitors
- 3:15 - 4:00 PM Speaker: B3 UAS Automated Part-139 Day & Night Airfield Safety Inspections and Pavement Management with AI Powered Analysis & Reporting — Grant Bishop, Mike Mulvaney
- 4:00 - 4:45 PM Speaker: B4 Leveraging UAS-AGV Robotic Platforms with Colorized LiDAR and AI-Powered Data Processing to Automate Airport Digital Twin Updates — David Barron
- 4:45 - 5:00 PM — Preview of Continuing Symposium Agenda — David Tamir

C Track-C: Aircraft & Baggage Operations Innovations
Chris Runde
Locations: Continental Ballroom

- 1:15 - 2:00 PM Speaker: C1 Transforming Airport Safety and Efficiency with Cutting-Edge Airfield Surface Awareness Digital Twin — Diana Frangarillo
- 2:00 - 2:45 PM Speakers: C6 Aircraft Gate Turn-Around & Safety Optimization via AI Powered Video Analytics at Miami Int'l Airport (MIA) with Intel®Act — John Harrington, Udi Segall
- 2:45 - 3:15 PM — 30 Minute Networking Coffee Break with Exhibitors
- 3:15 - 4:45 PM Panel Session: C7 Airport Baggage Processing State of the Art Innovations (3) — Jen Zemba, Darin Juby, Matt Sensike, Tom Gebler, Marlon Van der Meer, Scott Goodwin
- 4:45 - 5:00 PM — Preview of Continuing Symposium Agenda — Chris Runde

5:00 - 6:00 PM: Happy Hour Networking with Exhibitors & Sponsors
Locations: Exhibitor Space

Informal Dinner Groups
- Hyatt
  - McCoy's — Hemisphere Restaurant Overlooking Airfield Operations
  - Hyatt Airport Terminal Rooftop Pool & Jacuzzi Overlooking Evening Airside Operations (1)
- Disney Springs
- Universal CityWalk
- Orlando's I-Drive

FRI Symposium Day-3
2/7/2025 - ....

7:30-8:30 AM — Breakfast with Exhibitors
Locations: Exhibitor Space

8:30 AM - 12:00 Noon — Short Courses Parallel Tracks

A Track-A: Leveraging BI & AI Tools for Airport Asset Performance Optimization
Chris Runde
Locations: Regency A+B+C

- 8:30 - 10:00 AM Instructor: A9 Short Course: Applying Artificial Intelligence (AI) to Airport Operations Scenario Modeling — Greg Hole
- 10:00 - 10:30 AM — 30 Minute Networking Coffee Break with Exhibitors
- 10:30 - 12:00 Noon Instructor: A10 B10 C10 Short Course: From Groundbreaking to Liftoff: Leveraging Data-Driven Analytics Across the Airport Lifecycle — Fatma Aouani

B Track-B: Sustaining Airport Digital Twin Spatial Data
David Tamir
Locations: Regency D+E+F

- 8:30 - 10:00 AM Instructors: B9 Short Course: Managing Airport Project BIM Deliverables and Harvesting Data for O&M — Ed Maghboul, Jorge Quiroz
- 10:00 - 10:30 AM — 30 Minute Networking Coffee Break with Exhibitors
- 10:30 - 12:00 Noon Instructors: B10 C10 D10 Short Course: Through the Looking Glass -- Navigating Airport Complexity with I.DAR, Imagery, Ml , and GIS -- It's not about what you see. It's about how you see it. — Ed Maghboul, John White

12:00 - 12:15 PM — 15 Minute Pre-Lunch Break

12:15 - 2:00 PM — Working Lunch with SMART Best Practice Committees & Exhibitors
David Tamir
Locations: Continental Ballrooms

- DT2 + BI + AI (28)
- Automation & Robotics
- Hyper-Personalization & Metaverse
- Electrification
- Data Centers & Communications Infrastructure
- Security

2:00 - 2:30 PM — 30 Minute Break & Exhibitor Tear-Down

2:30 - 5:00 PM: — Orlando Int'l Airport (MCO) Terminal-C State-of-the-Art Technology Systems Behind the Scenes Tour
Locations: Next to McCoy's Restaurant

SAT Weekend at Orlando's Parks