

Tuesday, June 24

8:30	Welcome and Registration		
9:00	Welcome by Conference Chairs		
9:15	Welcome by Prague Airport		
	Welcome by xxx		
9:45	Keynote 1		
10:15	Coffee		
10:45	<b>Integrated airport/airside operations I</b>  81: Robust Management of Airport Security Queues Considering Passenger Non-compliance with Chance-Constrained Optimization <i>Mark Hansen, University of California, Berkeley</i>  43: Speech-to-Route: Leveraging Large Language Models for Taxi Route Visualization <i>Phat Thai, Nanyang Technological University</i>  53: Machine learning predictions of Target Off-Block Time and Turnaround Duration for all European A-CDM Airports <i>Paolino De Falco, EUROCONTROL</i>	<b>ATM performance measurement and management I</b>  5: Assessing Airport Surface Traffic Performance from Open Sources of Aviation Data <i>Xavier Olive, ONERA</i>  40: Traffic complexity measurement via collective dynamics analysis of arrival traffic patterns <i>Xuhao Gui, Nanjing University of Aeronautics and Astronautics</i>  19: Unlocking Runway Capacity: Enhancing Efficiency through Dynamic Pairwise Aircraft Wake Separation <i>Kam Hung Ng, The Hong Kong Polytechnic University</i>	<b>Autonomous, unmanned and remotely piloted aircraft systems and emerging operations I</b>  3: An Evaluation of UTM ConOps for Drone Deliveries: From Pre-Planned Air Corridors to Dynamic 4D Trajectories <i>Shuangxia Bai, City University of Hong Kong</i>  23: Optimization-Guided Exploration of Advanced Air Mobility Congestion Management Strategies with Stochastic Demands <i>Max Li, University of Michigan</i>  30: A Concept for Procedural Terminal Area Airspace Integration of Large Uncrewed Aircraft Systems at Non-Towered Airports <i>Tim Felix Sievers, DLR &amp; Jordan Sakakeeny, NASA Ames</i>
12:45	Lunch		
13:45	<b>Doctoral paper session 1</b>  Design of a hybrid-electric powertrain model for trajectory optimization <i>Edgar Böttcher, TU Dresden</i>  Structural predictability of large-scale aircraft interaction networks <i>Raúl López-Martín, IFISC</i>	<b>Doctoral paper session 2</b>  Multimodal Traffic Coordination for Safety Landings <i>Pavithra Sathya Kumar, University of the Bundeswehr, Munich, Germany</i>  Spatial Analysis-Driven Facility Location Optimization for Vertiports <i>Elif Erkek, TU Dresden</i>	<b>Doctoral paper session 3</b>  Learning to Explain Air Traffic Situation <i>Hong-ah Chai, Korea Aerospace University</i>  Modified Dijkstra's Algorithm for Search and Rescue Operations in Dynamic Wildfire Environments <i>Elia Ghisellini, ENAC</i>
14:45	Coffee		
15:15	<b>Integrated airport/airside operations II</b>  56: Chances and Pitfalls of the Point Merge Concept – A design Optimization Framework with a Case Study for Leipzig/Halle Airport on Noise, Capacity and Flight Efficiency <i>Hartmut Fricke, TU Dresden</i>  28: A new method to compute more appropriate off-block times and taxiing paths for airport surface management <i>Ruxin Wang, ENAC</i>	<b>ATM performance measurement and management II</b>  31: Exploring Airlines Scheduled Buffer Time Adjustment Strategies: An Analytical Approach <i>Ying Zhou, Nanyang Technological University</i>  87: Identification and Characterization for Disruptions in the U.S. National Airspace System (NAS) <i>Mark Hansen, University of California, Berkeley</i>  7: Impacts of ADS-B In Approach Applications during Revenue Operations <i>Dan Howell, Regulus Group</i>	<b>Autonomous, unmanned and remotely piloted aircraft systems and emerging operations II</b>  32: Including intent in detect-and-avoid systems for remotely piloted aircraft systems <i>Sybert Stroeve, NLR</i>  45: Development of Cooperative Operating Practices for Upper-Class E Traffic Management (ETM) <i>Paul Lee, NASA</i>  70: Vertiport Placement for Urban Air Mobility to Reduce Time for Multimodal Travel <i>Yashovardhan S. Chait, Tata Consultancy Services</i>
17:15	end of day 1		
19:00	Committee Dinner		

## Wednesday, June 25

6:00

### 5k Fun Run

10:00

Safety, resilience, and security	Air traffic flow management and optimization I	Weather, climate and energy efficiency I
64: An MAC Probability Assessment Framework for Integrated Operations in Urban Air Mobility Considering Safety Barriers <i>Jinpeng Zhang, Beihang University</i>	10: Efficient Real-Time Aircraft ETA Prediction via Feature Tokenization Transformer <i>Liping Huang, A*STAR</i>	6: Assessing Climate Impact of Contrails: Insights from Japan's High-Density Airspace and Meteorological Conditions <i>Katsuhiro Sekine, The University of Tokyo</i>
90: Anomaly Detection of Aircraft on Final Approach to an Aerodrome with Temporal Fusion Transformers <i>Nidhal Bouaynaya, Rowan University</i>	41: Tactical Demand and Capacity Balancing with Uncertainty Using Incremental Path-Search based on Spatio-Temporal Graph <i>Yutong Chen, Nanyang Technological University</i>	16: Quantifying Uncertainty Distributions for Airport Capacity Predictions <i>Benjamin Tolley, MIT Lincoln Laboratory</i>
4: Responsible AI for Air Traffic Management: Application to Runway Configuration Assistance Tool <i>Milad Memarzadeh, NASA</i>	65: <i>Flight allocation in flight-centric air traffic control: A MILP model approach</i> <i>Andréas Guitart, ENAC</i>	46: Recommending Traffic Management Initiatives in Non-Convective Weather <i>James Jones, MIT</i>

12:00

### Light Lunch

12:30

Tutorial session 1	Tutorial session 2	Tutorial session 3
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14:00

### Refreshments

14:45

### Visit Prague Airport (optional)

Thursday, June 26

8:30	Keynote 2		
9:00	Panel 1 Panel topic		
10:30	Coffee		
11:00	<b>Automation, human factors, and decision support systems I</b>  63: Ensuring UAS Airworthiness: Deep Learning-Based Acoustic Health Monitoring of Motor Health <i>Manuel Arias Chao, Zurich University of Applied Sciences</i>  29: Do ATCOs Need Explanations, and Why? Towards ATCO-Centered Explainable AI for Conflict Resolution Advisories <i>Katherine Fennedy, Nanyang Technological University</i>  13: A Data-Driven Framework for Next-Day Traffic Forecasting at Small Airports with Multi-Scale Machine Learning <i>Zhuoxuan Cao, University of Maryland</i>	<b>Air traffic flow management and optimization II</b>  57: Shadow Evaluation of Real-Time Machine Learning Services in the Houston Airspace <i>William Jeremy Coupe, NASA</i>  60: Learning Network Flow Control Strategies from Miles-In-Trail Data <i>Nianxi Xie, Nanjing University of Aeronautics and Astronautics</i>  54: A machine learning model to aid in predicting flight trajectory sequencing delays near the arrival airport <i>Danae Mitkas &amp; Martin Durbin, FAA</i>	<b>Weather, climate and energy efficiency II</b>  55: Probabilistic Risk-Aware Flight Trajectory Planning under Convective Weather <i>Wei Zhou, Nanyang Technological University</i>  58: Weather Considerations for Airport Capacity Decision Support Development <i>Tom Reynolds, MIT Lincoln Laboratory</i>  75: Contrail, or not contrail, that is the question: the "feasibility" of climate-optimal routing <i>Junzi Sun, TU Delft</i>
13:00	Lunch		
14:00	<b>Tutorial 4 Title</b>	<b>Tutorial 5 Title</b>	<b>Tutorial 6 Title</b>
15:30	Coffee		
16:00		<b>Doctoral paper session 4</b>  Optimisation of the North Atlantic Air Traffic Management to mitigate environmental impact <i>Nils Ahrenhold, DLR</i>  Dynamic modeling of UAV trajectory prediction in an urban environment <i>Md Ashraful Islam, TU Dresden</i>	<b>Doctoral paper session 5</b>  Spatiotemporal Trajectory Planning for Multi-Aircraft Terminal Operations in UAM Considering Wake Effects and Dynamics <i>Di Lv, Tsinghua University</i>  Generative Stress-Testing for Air Traffic Management Resilience <i>Sinan Abdulhak, University of Michigan</i>
17:00	end of day 3		
19:00	Gala Dinner		

## Friday, June 27

8:30	<b>Automation, human factors, and decision support systems II</b>  67: Leveraging Retrieval-Augmented In-context Learning for Complex Air Traffic Scenario Generation <i>Yash Guleria, Nanyang Technological University</i>  88: Automating Terminal Airspace Vectoring: A Machine-Assisted Approach for Sequencing, Spacing and Merging of Arrival Flights <i>Lim Zhi Jun, Nanyang Technological University</i>  61: Adaptive Traffic-Following Scheme for Orderly Distributed Control of Multi-Vehicle Systems <i>Anahita Jain, The University of Texas at Austin</i>	<b>Air traffic flow management and optimization III</b>  82: From En-Route to Touchdown: Uncertainty Analysis of Inbound Traffic Flows to Singapore Changi Airport <i>Daniel Lubig, TU Dresden</i>  85: A robust optimization approach for dynamic airspace configuration <i>Go Nam Lui, Lancaster University</i>  86: Predicting Reactionary Delays in a Hub-Spoke Network using Graph Attention Neural Networks <i>Constanca Veiga, TU Delft</i>	<b>4-D Trajectory planning, prediction, and management</b>  8: Stochastic Cruise Speed Control for Time-Based Metering Under Uncertainty <i>Yoshinori Matsuno, Japan Aerospace Exploration Agency</i>  9: Forecasting of Airline En Route Delay for Individual Flights with Supervised Learning <i>Marta Ribeiro, TU Delft</i>  69: Optimized Sequencing and Conflict-Free Path Planning for Arrival Flights during Runway Direction Changes <i>Hao Jiang, Nanyang Technological University</i>
10:30	Coffee		
11:00	<b>Panel 2</b> <b>Panel topic</b>		
12:30	Light Lunch		
13:30	<b>Plenary Closing Session</b> <b>Best Paper Awards</b>		
14:30	End of Day 4		