

Tuesday, June 16

8:00	Welcome and Registration		
8:30	Welcome by Conference Chairs Dirk Schaefer, EUROCONTROL Eric Neiderman, FAA		
	Welcome Speeches Henri Werij, TU Delft Jacco Hoekstra, TU Delft Tânia Cardoso Simões, EUROCONTROL **		
9:15	Keynote "The potential of large electric aircraft for future commercial air transport" Reynard de Vries, Elysian Aircraft		
	ROOM A	ROOM B	ROOM C
10:00	Coffee		
10:30	ATM performance measurement and management I Session chair: Xavier Prats, UPC 82: <i>Data-Driven Assessment of DME Operational Usage in Relation to Service Volume Definitions</i> Mahmoud Makhoulouf, ESEO Angers 78: <i>Probabilistic Forecasting of Aircraft Transit Time within a Flight Information Region: A Case Study of Schiphol Airport</i> Philippe Lothaller, TU Delft 133: <i>Temporal Residual Learning for Real-Time Air Traffic Complexity Forecasting</i> Go Nam Lui, Lancaster University	Advanced Air Mobility I Session chair: Dave Lovell, University of Maryland 15: <i>Alternative Non-homotopic Routes and Stochastic Density Estimation for UAS in Urban Airspace</i> Téo Chauvin, ENAC 79: <i>Cooperative UAS Identification for UTM - UAS Position Accuracy Analysis of FLARM and Remote ID Technologies</i> Hartmut Fricke, TU Dresden 108: <i>Enabling Scalable Vertiport Network Design via Terrain-Aware Spatial Filtering and sPCA-Based Candidate Reduction</i> Elif Erkek, TU Dresden	Automation, Human factors, and decision support systems I Session chair: Aurélie Amtzen, University of Southern Norway 68: <i>Interactive Dynamic Airspace Sectorization through Human-in-the-Loop Optimization</i> Clark Borst, TU Delft 12: <i>"Direct to City" or "Direct to SIDDI"? - LLM-based Auto-Correction of Unknown Waypoints for Aviation Speech Models</i> Niclas Wüstenbecker, DLR 54: <i>Retrospective Validation of a Data-Driven TMA Complexity Model with Air Traffic Controllers</i> Zhi Jun Lim, NTU
12:30	Lunch		
13:30	Doctoral paper session 1: ATM Concepts Session chair: Dave Lovell, University of Maryland 21: <i>Towards a retrospective evaluation of sector complexity metrics</i> Raúl López-Martin, IFISC 73: <i>Developing an Industry-Ready Methodology for Instrument Approach Procedures Optimization</i> Fedja Netjasov, University of Belgrade 97: <i>Noncooperative Coordination for Decentralized Air Traffic Management</i> Jaehan Im, The University of Texas at Austin	Doctoral paper session 2: Airports Session chair: Hartmut Fricke, TU Dresden 80: <i>Routing and Scheduling Optimisation for Airport Ground Operations: An Incremental Constraints Study</i> Feezan Akhtar, Queen Mary University of London 91: <i>Data-Driven Quantification and Classification of Service Disruptions at Airports</i> Felix Constantin Hoch, TU Dresden 10: <i>Too Busy to Depeak: Quantifying the Persistence of Peaked Schedules at European Airports</i> Josu Blanco, IFISC	Doctoral paper session 3: Safety and Human Factors Session chair: Dirk Schaefer, EUROCONTROL 11: <i>ATCO Perceptions of AI Decision Support in Air Traffic Control: Advisory and Execution Modes</i> Celina Vetter, Zurich University of Applied Sciences 49: <i>Towards Human-centered Flight-Deck Guidance for Surface Trajectory-Based Operations</i> Minghua Zhang, Beihang University 110: <i>Fuel Leak Hazard Management for Hydrogen and Methane Aircraft</i> Julia Tao, MIT
15:00	Coffee		
15:30	ATM performance measurement and management II Session chair: Xavier Olive, ONERA 104: <i>Validation of the Flight Centric ATC Concept in the Ukrainian Airspace: A Real-Time Simulation</i> Verdiana Bottino, DLR 99: <i>Worldwide Assessment of Vertical Airspace Flexibility in Enroute Airspace</i> Marek Homola, MIT 131: <i>From Disruption Mitigation to Policy Compliance: Airline Cancellation Strategies Under the November 2025 FAA Emergency Order</i> Jing Xu, UC Berkeley	Advanced Air Mobility II Session chair: Lishuai Li, City University of Hong Kong 120: <i>Probabilistic Collision Modeling for UAS under Wind-Induced Uncertainty</i> Md Ashrafur Islam, TU Dresden 132: <i>Decentralized Autonomous Traffic Management through Corridor Networks</i> Jasmine Jerry Aloor, MIT 31: <i>Uncrewed Aircraft System Lost Command and Control Link Arrival Procedures with Simulated Air Traffic Control Resolution Maneuvers</i> Jordan Sakakeeny, NASA	Automation, human factors, and decision support systems II Session chair: Aurélie Amtzen, University of Southern Norway 19: <i>Human-in-the-Loop Simulation Study of the Conflict Alert Parameter: An Attempt to Reduce Nuisance Alerts</i> Alex Konkell, FAA ** 29: <i>Operational Evaluation of Machine Learning-Based Miles-to-Touchdown Prediction in Terminal Airspace</i> Marta Sánchez Cidoncha, CRIDA 18: <i>A Characterization of Air Traffic Controller Eye Movements in Response to Conflict Alerts</i> Elena St. Amour, FAA **
17:30	end of day 1		
19:00	Committee Dinner (Restaurant Kruidt, Paardenmarkt 1, 2611 PA Delft)		

Wednesday, June 17

6:00	5k Fun Run Meeting point: the square behind Hampshire Hotel, Koepoortplaats 3		
8:45	Welcome coffee		
	ROOM A	ROOM B	ROOM C
9:00	<p style="text-align: center;">Air traffic flow management and optimization I <i>Session chair: Joe Post, USF</i></p> <p><i>22: En-Route Sector Demand Prediction with a Long- and Short-Term Transformer-Based Spatiotemporal Network</i> Junqiang Wan, Civil Aviation University of China</p> <p><i>34: A Flight-Centric Decision Support Framework for Tactical Airspace Congestion Mitigation under Multi-Scale Traffic Volume Constraints</i> Huijuan Yang, ENAC</p> <p><i>35: Trajectory Options Planning under Uncertainty with Risk-Sensitive Airline Preferences</i> Ying Zhou, NTU</p>	<p style="text-align: center;">Environment and energy efficiency <i>Session chair: Javier Lopes, Boeing</i></p> <p><i>26: Correlating Physical Contrail Models with Ground-Based Observations</i> Ramon Dalmau, EUROCONTROL</p> <p><i>59: Uncertainty Quantification in Flight Time Prediction for Airline Flight Planning</i> Lishuai Li, City University of Hong Kong</p> <p><i>94: A new modulation charging concept to reduce CO2 and non-CO2 emissions</i> Gérald Gurtner, University of Westminster</p>	<p style="text-align: center;">Automation, human factors, and decision support systems III <i>Session chair: José Miguel De Pablo, CRIDA/Enaire</i></p> <p><i>103: Graph-based Complexity Forecasts in UK En Route Airspace Using Relevant Aircraft Interactions</i> Edward Henderson, The Alan Turing Institute</p> <p><i>114: Real-Time Direct Route Recommendation using Rule-Based Algorithms: Conflict-Free Advisories for Environmental Impact Reduction</i> Àlex Padrós, Indra</p> <p><i>115: Benefits and Limits of Self-Organization in Autonomous Air Traffic Operations</i> Anahita Jain, MIT</p>
11:00	Coffee		
11:30	<p style="text-align: center;">Doctoral paper session 4: Prediction Models <i>Session chair: Dave Lovell, University of Maryland</i></p> <p><i>56: A Three-Stage Probabilistic Pipeline for Departure-to-Cruise Prediction</i> Mitsuki Tanoue, Osaka Metropolitan University</p> <p><i>60: A Predict-Then-Optimize Framework for Commercial-Humanitarian Airlift Operations under Operational Uncertainty</i> Micah Borrero, University of Michigan</p>	<p style="text-align: center;">Doctoral paper session 5: Environment <i>Session chair: Hartmut Fricke, TU Dresden</i></p> <p><i>85: Overcoming limitations of analytical aircraft noise emission estimation using machine-learning</i> Norman Peter, TU Dresden</p> <p><i>113: The Aviation External Cost Integrated Framework - Introducing a Comprehensive Aviation Emission Inventory Model</i> Marco Berger, TU Dresden</p>	<p style="text-align: center;">Doctoral paper session 6: Delay <i>Session chair: Jacco Hoekstra, TU Delft</i></p> <p><i>27: Exploring delay propagation in air transport using temporal networks</i> Pau Esteve, IFISC</p> <p><i>44: Statistical Causality and Decomposition Analysis of Airline Reactionary Delay</i> Abhishek Rajaram, TU Dresden</p>
12:30	Light Lunch		
13:30	<p>Panel: "Will the UAM bubble burst?" Moderator: Dirk Schaefer, EUROCONTROL Panellists: R John Hansman; Jörn Jaeger; Joost Ellerbroeck; Joe Post and Mario Cano</p>		
15:00	Refreshments		
15:30	Tour of the facilities of the Aerospace faculty (optional, reservation required)	Student activity at Outdoor Delft (optional, reservation required); depart at Faculty building at 15:15	

Thursday, June 18

8:00	Welcome coffee		
8:30	Plenary talk: "Robin Radar: from birds and drones detection towards supporting advanced unmanned traffic management" <i>Vivien Croes, Robin Radar</i>		
9:15	Plenary talk: "From unexpected discovery to worldwide deployment" <i>Shane Kenny, AirNav Ireland and Karim Zeghal, EUROCONTROL</i>		
10:00	Coffee		
	ROOM A	ROOM B	ROOM C
10:30	Air traffic flow management and optimization II <i>Session chair: Sameer Alam, NTU</i> 52: <i>A Flow-Centric Approach for Network-Level ATFM Delay Optimization and Hotspot Resolution Using Hierarchical Monte Carlo Tree Search</i> Zhengyi Wang, EUROCONTROL 105: <i>A Transition-Aware Methodology for Configuration Pathways in Dynamic Airspace Management</i> Sara Ruano Ferrer, CRIDA 121: <i>Mitigating Uncertainty in an Extended-Arrival Manager Environment</i> Jorn van Beek, TU Delft	Integrated airport/airside operations I <i>Session chair: Dave Lovell, University of Maryland</i> 74: <i>Stand Compatibility of Future Sustainable Aircraft. Case Study: The Elysian E9X</i> Job de Vries, TU Delft 117: <i>Computer Vision-Based Safety Alerts for Airport Surveillance: A Multi-Camera System for Incursions, FOD and Wildlife</i> Álvaro Quintanar, Indra	Safety, resilience, and security I <i>Session chair: Fedja Netjasov, University of Belgrade</i> 72: <i>Impact of Formation Size, Geometry, and Role Assignment on Collision-Avoidance Performance of Commercial Aircraft Formations</i> Songqiying Yang, King Abdullah University of Science and Technology 43: <i>Feudal Hierarchical Multi-Agent Reinforcement Learning for Cooperative Conflict Management in Sectorized Airspace</i> Dexiang Wang, Nanjing University of Aeronautics and Astronautics 3: <i>Formal Verification of Quantum-Resilient Authentication and Handover Protocols for LDACS</i> Suleman Khan, Linköping University
12:30	Lunch		
13:30		Tutorial 1 Beyond ADS-B: exploring multi-modal aviation data with tangram <i>Xavier Olive, ONERA</i>	Tutorial 2 Dynamo3: Aircraft trajectory optimisation tool for research and education in air traffic management (ATM) and aircraft operations (OPS) <i>Xavier Prats, UPC</i>
15:00	Coffee		
15:30	Weather in air transportation I <i>Session chair: Marta Sánchez, CRIDA</i> 32: <i>Weather Considerations for Terminal Airspace Capacity Decision Support Development</i> Safa Saber, MIT Lincoln Laboratory 48: <i>Wind Field Nowcasting and Forecasting using Denoising Diffusion Probabilistic Models with Aircraft-Derived Data</i> Matthijs Slobbe, LVNL 89: <i>Airspace Capacity Planning for Convective Weather Events</i> James Jones, MIT Lincoln Laboratory	Integrated airport/airside operations II <i>Session chair: David Lovell</i> 5: <i>Monte Carlo Analysis of Runway Status Lights During a Runway Incursion</i> Edward Londner, MIT Lincoln Laboratory 112: <i>Departure Manager improvement through Vision-based Predicted End of Ground handling Time</i> Joost Ellerbroek, TU Delft 95: <i>Exercise, Exercise! The impact of hydrogen in aviation on airport emergency response</i> Twan Keijzer, NLR	Safety, resilience, and security II <i>Session chair: Xiaoqian Sun, Beihang University</i> 96: <i>Stakeholder Perspective Analysis for Airspace Resilience: Informing Countermeasure Design through Multi-Entity Coordination Assessment</i> Max Li, University of Michigan 128: <i>Learning-Based Pre-tactical Conflict Management Strategy for Urban Air Mobility</i> Yuheng Wang, The Hong Kong Polytechnic University 77: <i>Airport resilience and climate change: A global study on airports</i> Xiaoqian Sun, Beihang University
17:30	end of day 3		
19:00	Gala Dinner Nieuwe Kerk (the church opens at 18:30)		

Friday, June 19

8:00	Welcome coffee		
	ROOM A	ROOM B	ROOM C
8:30	<p>Weather in air transportation II Session chair: James Jones, MIT Lincoln Lab</p> <p><i>125: METAR-Based Probabilistic Nowcasting of Low Visibility Procedure Phases at Casablanca Airport</i> Soufiane Momtaz, Hassan II University of Casablanca</p> <p><i>25: Chance Constrained Aircraft Trajectory Planning under Uncertain Convective Environment</i> Wei Zhou, UPC</p> <p><i>126: Enhanced Weather-Driven Time-Based Separation Procedure Triggering at London Gatwick Airport</i> Soufiane Momtaz, Hassan II University of Casablanca</p>	<p>4-D Trajectory planning, prediction and management Session chair: Daniel Delahaye, ENAC</p> <p><i>87: A Unified, Vectorized and Differentiable Framework for Aircraft Performance Modelling</i> Ramon Dalmau, EUROCONTROL</p> <p><i>98: Improving Interpretability in Trajectory Generation: A Case Study on Efficient Latent Space Utilization</i> Mohammed El Dor, TU Delft</p> <p><i>122: Data-Driven Aircraft Speed Profile Prediction for Enhanced Trajectory Realism</i> Angelika Swatowska, EUROCONTROL</p>	<p>AAM economics, finance, and policy Session chair: Yu Zhang, USF</p> <p><i>6: Regional-Scale Multimodal Service Optimization for Innovative Air Mobility Using MILP</i> Xuhao Gui, ENAC</p> <p><i>41: Third-Party Acceptance Factors for Urban Air Mobility</i> Dayeong Park, Korea Aerospace University</p> <p><i>134: Like Uber or Like Buses? Economic Feasibility Analysis of UAM for Airport Access</i> Mark Hansen, UC Berkeley</p>
10:30	Coffee		
11:00		<p>Tutorial 3 Reinforcement Learning for Air Traffic Control applications with BlueSky-Gym Joost Ellerbroek, TU Delft</p>	
12:30	<p>Plenary Closing Session Best Paper Awards</p>		
13:30	Light Lunch		
14:00	End of Day 4		
14:15	<p>ATRD Symposium Committee Meeting (end 15:45)</p>		