Tuesday, June 16

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

Wednesday, June 17

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

Thursday, June 18

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

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