

## DAY 1 - OCTOBER 23

<b>09:30</b>	<b>REGISTRATION &amp; WELCOME</b>		
<b>10:00</b>	<b>INTRODUCTION</b> Michel SCHELLER, <i>3AF President</i>		
<b>10:30</b>	<b>OPENING PLENARY SESSION</b> Robert LAFONTAN, <i>AEGATS Chairman</i>		
<b>11:00</b>	<b>KEYNOTE 1</b> <b>The Future of Air Transport</b> Didier EVRARD, <i>Executive Vice President Head of Programmes, Airbus</i>		
<b>11:30</b>	<b>ROUND TABLE 1 - Aircraft Design</b> Moderator: Robert LAFONTAN, <i>Airbus</i> Axel FLAIG, <i>Head of R&amp;T, Airbus</i> Alan NEWBY, <i>Director, Aerospace Technology and Future Programmes, Rolls Royce</i> Bruno HERNANDEZ, <i>SVP Head of Product and Services Strategy, Airbus</i> Pierre-Alain LAMBERT, <i>Head of Energy &amp; Propulsion R&amp;T Department, SafranTech</i>		
<b>12:30</b>	<b>NETWORKING LUNCH</b>		
<b>14:00</b>	<b>ROUND TABLE 2 - Evolution of regulations and integration of new types of Aircraft</b> Moderator: Willy-Pierre DUPONT, <i>Airbus</i> Farid ZIZI, <i>Former President of ICAO-ANC, DGAC</i> David AMER, <i>Airfield Planner Manager, London Heathrow airport</i>		
	<b>ROOM 1</b>	<b>ROOM 2</b>	<b>ROOM 3</b>
	<b>Session 1 - AIRCRAFT DESIGN-I</b>	<b>Session 2 - AIRCRAFT DESIGN-II</b>	<b>Session 3 - OPERATIONS-I</b>
	<i>Chairperson: Robert LAFONTAN, Airbus</i>	<i>Chairperson: Pierre-Alain LAMBERT, SAFRAN</i>	<i>Chairperson: Willy-Pierre DUPONT, Airbus</i>
<b>15:00</b>	1/ Development and demonstration of a multi functional morphing leading edge for a regional A/C <b>V. LANDERSHEIM</b> <i>Fraunhofer Institute for Structural Durability and System Reliability LBF</i>	2/ Future of propellers on liners <b>B. CERTAIN</b> <i>3AF</i>	10/ Does innovation give incentives to innovate in air transport? <b>C. LATGE-ROUCOLLE</b> <i>ENAC</i>
<b>15:20</b>	3/ Flutter Characteristics of Typical Wing Sections of a Box Wing Aircraft Configuration <b>S. A. FAZELZADEH HAGHIGHI</b> <i>Shiraz University</i>	58/ Non Traditional Engine Evolution for Product Differentiation <b>S. JOHNSON</b> <i>Pratt &amp; Whitney</i>	34/ Airport Capacity Crunch: are larger aircraft really part of the solution? <b>E. FREVILLE</b> <i>Eurocontrol</i>
<b>15:40</b>	43/ Curved planform wing aircraft: a view to the Future <b>M. R. CHIARELLI</b> <i>University of Pisa</i>	15/ Safran Open Rotor Technologies <b>M. LAMBHEY</b> <i>Safran Aircraft Engines</i>	7/ Definition of the concept of Aircraft efficiency for an operator <b>P. VELLAY</b> <i>New&amp;Next Co</i>
<b>16:00</b>	<b>COFFEE BREAK</b>		

## DAY 1 - OCTOBER 23 (continued)

	ROOM 1	ROOM 2	ROOM 3
	<b>Session 4 - AIRCRAFT DESIGN-III</b>	<b>Session 5 - AIRCRAFT DESIGN-IV</b>	<b>Session 6 - OPERATIONS-II</b>
	<i>Chairperson: Gilles TAQUIN, Airbus</i>	<i>Chairperson: Dr. Askin ISIKVEREN, Safran Tech</i>	<i>Chairperson: Xavier BARRAL, LB AIR Consulting</i>
16:30	41/ Advanced Aerodynamic Design of Mid-Size UAV <b>S. PEIGIN</b> <i>OPTIMENGA-777 Ltd</i>	4/ A novel method for automated routing optimisation and equipment positioning in aero engine nacelles <b>W. VANKAN</b> <i>Netherlands Aerospace Centre (NLR)</i>	17/ Probabilistic approach in flight trajectory modelling for fast and efficient noise contour generation <b>S. MAULYDIANA</b> <i>Hong Kong University of Science and Technology (HKUST)</i>
16:50	40/ Optimal Aerodynamic Design of Wide-Body Aircraft Based on New Generation Software <b>S. PEIGIN</b> <i>OPTIMENGA-777 Ltd</i>	51/ Development of a Decision Tool for Identification of Optimal Hybrid-Electric Architectures for Airplane Propulsion <b>A. JOKSIMOVIC</b> <i>ISAE-SUPAERO</i>	28/ Design of Airport Infrastructures in Support to the Transition to a Hybrid-Electric Fleet <b>F. SALUCCI</b> <i>Politecnico di Milano</i>
17:10	44/ A methodology for thermal and electrical management modelling to serve the More Electrical Aircraft vision <b>L. HARTENSTEIN</b> <i>Liebherr Aerospace Toulouse</i>	22/ Reduction of vertical tail using differential thrust: influence on flight control and certification <b>E. NGUYEN-VAN</b> <i>ISAE-SUPAERO &amp; ONERA</i>	9/ LNAS – A Pilot Assistance System for Energy-Optimal Approaches Using Existing Aircraft-Infrastructure <b>C. KUEHNE</b> <i>German Aerospace Center (DLR)</i>
17:30	16/ Modeling Boundary Layer Ingestion at the Conceptual Level using Non-Viscous Flow Simulations <b>A. TURNBULL</b> <i>Safran SA</i>	23/ Distributed Propulsion Design from an Aerodynamics Perspective <b>B. ORTUN</b> <i>ONERA</i>	26/ Enhancing Situational Awareness during Helicopter Missions Concepts for a New Helicopter Navigation Display <b>S. BOLLMANN</b> <i>Technische Universität Braunschweig</i>
17:50	13/ Cessna Citation X Climb Performance Improvement Using Adaptive Winglet <b>M. SEGUI</b> <i>Ecole de Technologie Supérieure</i>	50/ New Preliminary Sizing Methodology for a Commuter Airplane with Hybrid-Electric Distributed Propulsion <b>A. JOKSIMOVIC</b> <i>ISAE-SUPAERO</i>	57/ Enabling cyber-resilience in Air Transport <b>N. FEYT</b> <i>Thales</i>
18:10	20/ Methodology to Derive a Performance Database for Predicting Cessna Citation X Fuel Consumption in Cruise Regime using Flight Manual Data <b>G. GHAZI</b> <i>Ecole de Technologie Supérieure</i>	49/ New Preliminary Sizing Methodology for a Short-Medium Range Airplane with BLI Propulsion <b>A. JOKSIMOVIC</b> <i>ISAE-SUPAERO</i>	
18:30	<b>END OF DAY 1</b>		

20:00	<b>AEGATS'18 DINNER</b> hosted by Airbus Operations
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## DAY 2 - OCTOBER 24

<b>09:00</b>	<b>KEYNOTE 2</b> <b>Air transport new challenges</b> <b>Graham BRAITHWAITE</b> , Director of Transport Systems, <i>Cranfield University</i>
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<b>09:30</b>	<b>ROUND TABLE 3 - ATM, Connectivity &amp; Aviation Infrastructure</b> <u>Moderator:</u> Alain SIEBERT, <i>SESAR JU</i> <b>Pierre FOSSIER</b> , VP Technical GBU Land Air Systems, <i>Thales</i> <b>Pierre ANDRIBET</b> , Head of R&D and SESAR contribution, Directorate ATM, <i>Eurocontrol</i> <b>Maurice GEORGES</b> , Director DSNA, <i>DGAC</i>
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<b>10:30</b>	<b>COFFEE BREAK</b>
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	ROOM 1	ROOM 2	ROOM 3
	<b>Session 7 - AIRCRAFT DESIGN-V</b>	<b>Session 8 - DIGITAL TRANSFORMATION &amp; AVIATION INFRASTRUCTURE-I</b>	<b>Session 9 - DIGITAL TRANSFORMATION &amp; AVIATION INFRASTRUCTURE-II</b>
	<i>Chairperson: Gilles TAQUIN, Airbus</i>	<i>Chairperson: Pierre ANDRIBET, Eurocontrol</i>	<i>Chairperson: Pierre FOSSIER, Thales</i>
<b>11:00</b>	Progress of The Safran MULTIDYN Simulation Tool for Multi-Rotor Aircraft <b>G. CHESNEAU / A. TRUC-HERMEL</b> <i>SAFRAN</i>	6/ Capability Appraisal of the Level of Digitalization in Organizations <b>L. MANGANE</b> <i>Airbus Commercial</i>	47/ Predictive tool for aircraft maintenance duration through automated selection of forecasting algorithms on historic data within an MRO organisation <b>M. PELT</b> <i>Amsterdam University of Applied Sciences</i>
<b>11:20</b>	37/ Demonstration of Hybrid Laminar Flow Control (HLFC) in European projects Clean Sky 2 and AFLoNext (Active Flow Loads and Noise on Next Generation) <b>J. MEDINA-GONZALEZ</b> <i>Airbus R&amp;T</i>	53/ 4D Trajectory Prediction with Stochastic Input Parameters <b>J. ROSENOW</b> <i>Technische Universität Dresden</i>	55/ Towards optimized flight operations using secured interactions between FMS & Open World EFB <b>M. CORNILLON</b> <i>Thales AVS France</i>
<b>11:40</b>	36/ Advanced Trailing Edge Flap Design for Commercial Aircraft <b>P. LAUK</b> <i>Eesti Lennuakadeemia</i>	11/ SWIM architectures for ATM web apps <b>N. COGHE</b> <i>Hexagon</i>	18/ Assessing the impact of new technologies in aviation using a global aircraft fleet forecasting model <b>I. TEREKHOV</b> <i>Institute of Air Transportation Systems</i>
<b>12:00</b>	35/ A General Approach to the Conceptual Design of All-Electric and Hybrid-Electric Aircraft <b>F. SALUCCI</b> <i>Politecnico di Milano</i>	42/ Digital transformation through ALM in Avionics <b>C. SARNO</b> <i>Thales AVS France</i>	19/ Literature review of machine learning techniques to analyse flight data <b>S. K. JASRA</b> <i>Institute of Aerospace Technologies University of Malta</i>

<b>12:20</b>	<b>NETWORKING LUNCH</b>
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## DAY 2 - OCTOBER 24 (continued)

<b>14:00</b>	<b>KEYNOTE 3</b> <b>Air Transport New Challenges</b> <i>Team of students of the University of Air Transport - UTA</i>		
<b>14:20</b>	<b>ROUND TABLE 4 - Digital Transformation</b> <i>Moderator: Bruno STOUFFLET, CTO, Dassault Aviation</i> <i>Vincent MEGAIDES, Strategy Director Flight Avionics, Thales</i> <i>Sébastien REMY, SVP End to End Digital Transformation Programmes, Airbus</i> <i>Nathalie FEYT, Product Security Officer, Design Authority Cybersecurity, Thales</i> <i>Jean-Yves PLU, Head of Thales Cybersecurity Program at Station F</i> <i>Delphine KNAB, Partner, Arthur D. Little</i>		
	<b>ROOM 1</b>	<b>ROOM 2</b>	<b>ROOM 3</b>
	<b>Session 10 - AIRCRAFT DESIGN-VI</b>	<b>Session 11 - DIGITAL TRANSFORMATION &amp; AVIATION INFRASTRUCTURE-III</b>	<b>Session 12 - DOOR-TO-DOOR AIR MOBILITY</b>
	<i>Chairperson: Matthieu THOMAS, Airbus</i>	<i>Chairperson: Jean-Luc STREQUE, Thales</i>	<i>Chairperson: Vincent MEGAIDES, Thales</i>
<b>15:00</b>	<b>33/</b> A Sizing Procedure for Structural Batteries in Hybrid-Electric Aircraft <b>C. RIBOLDI</b> <i>Politecnico di Milano</i>	<b>59/</b> Digital Transformation and its impact on Aerospace <b>A. DEBREYNE</b> <i>Thales AVS France</i>	<b>27/</b> New trends in passenger choice in multimodal door-to-door travels <b>I. LAPLACE</b> <i>ENAC</i>
<b>15:20</b>	<b>32/</b> Weight-Optimal Design of Light Hybrid-Electric Aircraft <b>C. RIBOLDI</b> <i>Politecnico di Milano</i>	<b>8/</b> EFB should stand for Enhanced Flight Bag <b>S. VEIGNEAU</b> <i>DgBirds</i>	<b>29/</b> A Preliminary Sizing Tool for eVTOL Personal Air Vehicles <b>L. TRAINELLI</b> <i>Politecnico di Milano</i>
<b>15:40</b>	<b>24/</b> Flat Cable Derating Tests and Thermal Modelling for Weight Reduction of Aircraft Engine Harness Designs <b>E. BLOEM</b> <i>Netherlands Aerospace Centre (NLR)</i>	<b>56/</b> Impact of Software Radio in Cockpit Connectivity <b>J. JIGGINS</b> <i>Thales AVS France</i>	<b>31/</b> An Investigation of the Micro-Feeder Aircraft Concept <b>L. TRAINELLI</b> <i>Politecnico di Milano</i>
<b>16:00</b>	<b>21/</b> Development of a Mathematical Model for Determining Cessna Citation X Aircraft Take-off Performance in the Presence of Winds <b>G. GHAZI</b> - <i>Ecole de Technologie Supérieure</i>	<b>48/</b> Broadband Cabin Connectivity with 4G LTE technology <b>G. DENT</b> <i>Thales AVS France</i>	<b>5/</b> Optimizing security integration for helicopters digitalization <b>M-C. MOURET</b> <i>Airbus Helicopters</i>
<b>16:20</b>	<b>COFFEE BREAK</b>		

## DAY 2 - OCTOBER 24 (continued)

16:50	<p><b>KEYNOTE 4</b>  <b>Controlling Unmanned Aerial Vehicules with Formal Safety Guarantees</b>  Anirudha MAJUMDAR, Professor, <i>Princeton University</i></p>
17:20	<p><b>ROUND TABLE 5 - Door-to-door Air Mobility</b>  <u>Moderator:</u> Michel POLACCO, Aeronautics Specialist  Jean-Guy BLETE, Civil UAVs Development Director, <i>Thales</i>  Eduardo DOMINGUEZ-PUERTA, Head of Urban Air Mobility, <i>Airbus</i>  Philippe NOVELLI, R&amp;T Program Director, <i>ONERA</i>  Anirudha MAJUMDAR, Professor, <i>Princeton University</i></p>
18:20	<p><b>KEYNOTE 6</b>  <b>Aviation Security Landscape</b>  Jean-Claude NANCHE, Head of Aircraft Security, <i>Airbus</i></p>
18:50	<p><b>PLENARY SESSION</b>  <b>Conclusion of AEGATS'18</b></p>
19:00	<p><b>END OF DAY 2</b></p>

## DAY 3 - OCTOBER 25

09:30 11:00	<p><b>TECHNICAL VISIT: AIRBUS A350 FAL</b>  hosted by Airbus Operations</p>
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**END OF AEGATS'18 CONFERENCE**