

	DAY 1 - Tuesday September 1st				
CET	EYE Museum Reception (IJpromenade 1, Amsterdam)				
07:30-09:00	ERF Registration desk OPEN				
	CINEMA 1				
09:00-09:30	Opening				
09:30-10:00	<i>The Future of Military Rotorcraft Operations (NLMoD)</i> Gen. Maj. R. Adang (Deputy Commander RNLAf)				
10:00-10:30	<i>The Future of Military Rotorcraft Operations (NLMoD)</i> Lt. Col. M. Mols (Project Lead Future Vertical Lift)				
10:30-11:00	Coffee break (ARENA PLATEAU)				
11:00-11:30	<i>Future Maritime Uncrewed Operations</i> Dr. M. Voskuilj (Netherlands Defence Academy)				
11:30-12:00	<i>European Next-Gen Rotorcraft Technologies (ENGRtII)</i> G. Arnaud (Airbus Helicopters), V. Sandionigi (Leonardo)				
12:00-12:30	<i>NATO Next-Gen Rotorcraft Capabilities (NGRC)</i> C. Heckel (NSPA)				
12:30-13:30	Networking Lunch (Arena Plateau)				
	CINEMA 3	CINEMA 4	WATERFRONT	IJ LOUNGE	ROOM AT THE TOP
13:30-15:30	Aerodynamics 1 (Chair: Arnaud le Pape)	Rotorcraft Flight Control 1 (Chair: Sebastian Topzewski)	Acoustics 1 (Chair: Remco Habing)	Aircraft Design 1 (Chair: Jamel Chergui)	Urban Air Mobility 1 (Chair: Pierluigi Capone)
13:30-14:00	<i>Paper ID017: Aeroacoustic Modeling and Design of eVTOL Rotors and Propellers</i> A. Lee, M. Ku, L. Sankar* (Georgia Tech)	<i>Paper ID184: A Control Law Tuning Support Framework for Cross-Axis Coupling in Rotorcraft Manoeuvres</i> F. Celletti*, G. Vita, N. Cortigiani (Leonardo Helicopters)	<i>Paper ID165: Drone Noise Identification by Separating Tones According to the Least Squares Spectrum and Energy Distribution</i> J. Yin*, D. Gebensleben (DLR)	<i>Paper ID186: Preliminary Design, Integration, and Efficiency Enhancement of Hybrid-Electric Powertrains for Advanced Tiltrotor Aircraft (ATA)</i> R. Caliri, S. Cacciola, L. Trainelli (Politecnico di Milano), A. Marcotullii*, C. Lilliu, L. Viganò (Leonardo Helicopters)	<i>Paper ID010: New Air Mobility Concepts: Are We Ready? Which Conditions Must be Met for the Public to Accept eVTOLs?</i> J. Derrien, P. Bezvin (SAFRAN), B. Demaret* (ONERA), M. Jouan (Airbus Helicopters)
14:00-14:30	<i>Paper ID149: Experimental Validation of Aerodynamic Prediction Models of Lift-Plus-Cruise Configuration UAV</i> G. Tzanetos*, I. Hysa (NLR), S. Tromp, F. Yunus, K. Rave (TU Delft)	<i>Paper ID131: Multi-Model H_∞ Synthesis of Robust Rotorcraft Inner-Loop Control Laws</i> P. Bruschi*, M. Lovera (Politecnico di Milano), P. Diana, M. Bergamasco (Leonardo Helicopters)	<i>Paper ID129: A Unified Boundary Integral Formulation for Aerodynamic and Aeroacoustic Analysis of Rotorcraft in BVI Conditions</i> E. Levati*, G. Bernardini, M. Gennaretti (Rome Tre)	<i>Paper ID130: CASMOO: A Conceptual Aircraft Sizing and Multi-Objective Optimization Framework for Hybrid-Electric VTOL Design</i> S. Shrugarkar*, J. A. Faust, D. Lampl (TU Munich), M. Stuhlpfarrer (eRC-System)	<i>Paper ID147: Piloting Standard - Industry Collaboration Toward a Shared Standard via Methodology</i> P. Bellani*, G. Lana*, A. Dinu (Leonardo Helicopters)
14:30-15:00	<i>Paper ID066: 7A Airloads Estimations for High Load Factor Flight with Comprehensive Codes</i> H. Maresca*, D. Jobert (Airbus) F. Richez, E. Garnier (ONERA)	<i>Paper ID094: Flight Dynamics and Control of Multiple Interacting Heterogeneous Rotorcraft</i> D. Jun*, U. Saetti (University of Maryland), O. Juhasz (US Naval Academy)	<i>Paper ID082: Investigation of a Lifting Propeller Interacting with a Wing in Edgewise Forward Flight</i> C. Bricker*, D. Zagaglia, E. Masoudi, M. Jadidi, A. Colli, M. Azarpeyand (University of Bristol)	<i>Paper ID116: Multi-Disciplinary Conceptual Design of a New Primary Rescue Helicopter</i> P. Weiland*, K. Atci, D. Schwinn, L. Winkler, O. Schneider, M. Weiermann, H. Inac, M. Lindlar, S. Cornelje, J. Herzig, H. Mainz (DLR)	<i>Paper ID057: Reinforcement Learning Pilot Modelling for eVTOL Handling-Quality Boundary Refinement</i> W. Shi*, L. Lu, A. Proenca (Cranfield University)
15:00-15:30	<i>Paper ID101: Experimental and Numerical Analyses of Rotor-Frame Interactions in Quadrotor μUAV</i> G. Longobardo* (University of Naples), A. Visingardi, F. De Gregorio (CIRA)	<i>Paper ID176: Robust Synthesis of Unified INDI Control Laws for a Lift-plus-Cruise UAV</i> T. Pollack*, O. Pfeifle, S. van 't Hoff (NLR), M. Voskuilj (Netherlands Defence Academy)	<i>Paper ID157: Multi-Fidelity Aerodynamic and Aeroacoustic Framework for Asymmetric Rotary-Wing Designs</i> <i>D. Usov (Emirates Aviation Uni.), T. Zhang*, R. Green, G. Barakos (Uni. of Glasgow), D. Zagaglia (Uni. Of Bristol), T. Chronis, A. Filippone* (Uni. of Manchester)</i>	<i>Paper ID171: Leonardo Helicopters Sizing Framework: An Overview on Aircraft Performance and Flight Dynamics</i> M. Pecoraro*, F. Riccardi, F. Marzagalli, L. Caccetta, M. Tonin, G. Rovedatti, A.S.P. D'Onofrio (Leonardo Helicopters)	<i>Paper ID151: Wind- and Noise-Aware Quadrotor Navigation in Urban Environments Using High-Fidelity LBM Simulation and Hybrid Deep Reinforcement Learning-Sequential Convex Programming Control</i> F. Yunus* (TU Delft), R. Vinuesa (University of Michigan)
15:30-16:00	Coffee break (ARENA PLATEAU)				
16:00-18:00	Aerodynamics 2 (Chair: Furkat Yunus)	Dynamics 1 (Chair: Pierangelo Masarati)	Flight Mechanics 1 (Chair: Marc Hoefinger)	Simulation & Training 1 (Chair: Sebastian Topzewski)	Structures & Materials 1 (Chair: Luca Medici)
16:00-16:30	<i>Paper ID090: Experimental Investigation on the Effect of Number of Propellers and Spanwise Positioning on a Finite Wing for Distributed Electric Propulsion</i> L. Morisson*, T. Harrison, R. Green, G. Barakos (University of Glasgow), D. Zagaglia (University of Bristol)	<i>Paper ID058: Experimental Whirl Flutter Bifurcation Analysis of the TiltRotor Aeroelastic Stability Testbed</i> G. Simmons*, C. Riso (Georgia Tech)	<i>Paper ID092: A Finite-State Linear Time Invariant Inflow Model Derived from a State-Space Free Vortex Wake Model in Forward Flight</i> A.K. Manjhi*, J. Horn (Penn State University), U. Saetti (Politecnico di Milano)	<i>Paper ID032: A Reinforcement Learning-Based Motion Cueing Algorithm for Helicopter Training on a Short-Stroke Motion Platform</i> B. Englebert*, L. Gaeta, P. Bouwens, G. Tillema (NLR)	<i>Paper ID050: Variable-Kinematic Finite Element Models for High-Fidelity Rotorcraft Analysis in a Cuf-Based Multibody Framework</i> R. Azzara*, M. Filippi, E. Carrera (Politecnico di Torino)
16:30-17:00	<i>Paper ID187: Lattice-Boltzmann Simulations of Multirotor Aerodynamic Interactions with Multifidelity Rotor Models</i> D. Waanders*, J. Rauleder (Georgia Tech)	<i>Paper ID041: Aeroelastic Damping Estimation in Nonlinear Rotating-Wing Systems Using Local Matrix Pencil Analyses</i> R. Negandhi*, G. Simmons, C. Riso (Georgia Tech)	<i>Paper ID047: Space-Dependent CETI Filters to Assess Ship Helicopter Operating Limits Through Simulation</i> L. Alari*, A. Zaroni, G. Quaranta (Politecnico di Milano)	<i>Paper ID179: Towards Real-time Rotorcraft Flight Simulation using Machine Learning</i> J. Huang*, P.L. Green, C. Dadswell, M. Jump (University of Liverpool)	<i>Paper ID068: Aeroelastic Tailoring of an Advanced Tiltrotor Blade Through Surrogate-based Optimization</i> R. Leali, M. Morandini*, A. Cocco, P. Masarati (Politecnico di Milano), J. Gregori, M. Favale (Leonardo Helicopters)
17:00-17:30	<i>Paper ID156: Selection and Optimisation of Aerofoil Families for Rotary Wings</i> M. Woodgate*, T. Zhang, G. Barakos (Uni Glasgow), H. Raposo (Vertical Aerospace)	<i>Paper ID136: Fabrication and Rotating Frequency Tests of Ultra-Thin Rotors for Martian Flight</i> M. Donovan*, A. Datta (University of Maryland)	<i>Paper ID024: A Study of Trim, Linearization and Dynamic Stability of Quadrotor and Lift-Plus-Cruise Vehicles</i> A.F. Uzunkaya*, P. Masarati (Politecnico di Milano) M.D. Pavel (TU Delft)	<i>Paper ID164: Numerical Investigation of Seawater Soiling During Helicopter Hover Flight</i> M.Y. Erdem*, U. Şahin, H. Terzioğlu, B. Can, A.A. Ezertaş, H. Paşahan (Turkish Aerospace Industries)	<i>Paper ID055: Optimal FBG Sensors Layout for In-Flight Rotor Blade Shape and Loads Estimation</i> G. Bernardini, F. Liguori*, C. Pasquali, J. Serafini (Roma Tre)
17:30-18:00		<i>Paper ID139: Performance and Vibration Analyses of a Quad Tiltrotor eVTOL Aircraft Considering Aerodynamic Interference Effects</i> S.J. Oh*, H.J. Son, J.S. Park (Chungnam Nat. University), S. Shin, Y. Jo (Hanseou University)			
	A'DAM TOWER, THE LOFT (Overhoeksplein 1, Amsterdam)				
18:00-20:00	Welcome Reception				

DAY 2 - Wednesday September 2nd					
CET	EYE Museum Reception (Ippromenade 1, Amsterdam)				
07:30-09:00	ERF Registration desk OPEN				
	CINEMA 1	CINEMA 3	WATERFRONT	IJ LOUNGE	ROOM AT THE TOP
08:30-10:30	Aerodynamics 3 (Chair: Arnaud le Pape)	Rotorcraft Flight Control 2 (Chair: Marc Hoefinger)	Dynamics 2 (Chair: Alan Irwin)	Aircraft Design 2 (Chair: Luca Medici)	Unmanned Rotorcraft 1 (Chair: Sebastian Topczewski)
08:30-09:00	Paper ID048: Effects of Freestream Turbulence on Propeller Aerodynamics in Axial Flight E. Sen *, P. Chaitanya, B. Ganapathisubramani (University of Southampton)	Paper ID177: Full-envelope System Identification for a Lift-plus-Cruise UAV O. Pfeifle *, T. Pollack, M. van Opstal, M. Jorissen, S. van 't Hoff (NLR), M. Voskuilj (Netherlands Defence Academy)			Paper ID126: Scalable Center-of-Gravity Estimation and Control for Multi-Payload Rotorcraft Transportation: A Unified IMU-Based Framework E. Constantini*, E.L. de Angelis, F. Giulietti (Univeristy of Bologna)
09:00-09:30	Paper ID009: Experimental Validation of Blade Tip Vortex Models on a Hovering Rotor A. Heintz *, H.T. Bartzsch, M. Neef, C. Schwarz, C. Wolf, M. Raffel (DLR)	Paper ID159: Model-Based Handling Qualities Assessment of a Lift-Plus-Cruise Vehicle with Dynamic Control Allocation and Rotor Failure A.F. Uzunkaya *, P. Masarati (Politecnico di Milano), M.D. Pavel (TU Delft)	Paper ID162: Machine Learning based Optimization of Higher Harmonic Pitch Control Schedules for Simultaneous Vibration Reduction and Performance Improvement of Lift-offset Coaxial Rotors J.H. Hwang *, J.S. Park (Chungnam Nat. University)	Paper ID064: Advanced Electrical Power Conversion Analysis Method for Hybrid Electric Propulsion System in Electrified Aircraft J. Cho *, K. Yee (Seoul Nat. University)	Paper ID011: Reinforcement Learning-Based Model Predictive Control for Bio-Inspired MAVs X. Huang, L. Lu * (Cranfield University), M.D. Pavel (TU Delft)
09:30-10:00	Paper ID114: Experimental and Numerical Investigation of a Dual-Rotor Configuration in Hover F. Ruggiano *, G. Longobardo, F. de Gregorio, T. Astarita, G. Paolillo (University of Naples)	Paper ID134: Hermite Spectral Potentials for Believe-Aware Rotorcraft Swarms G. Insinger * (NLR)	Paper ID020: Rotor Blade Shape and Loads Reconstruction from Distributed Conformal Fiber Bragg Grating Sensors: the BeSaME Project P. Masarati *, P. Bettini, E. Casciaro, A. Cocco, M. Meroli, R. Sutov, A. Zanotti (Politecnico di Milano), G. Bernardini, F. Liguori et al (Roma Tre)	Paper ID059: Machine Learning Based Surrogate Modeling and Design Optimization of Rotorcraft Fuselage M. Thakur *, A. Anand, K. Marepatly, J. Baeder (University of Maryland)	Paper ID023: LIDAR-SPAD Technology Application for Helicopter External Situational Awareness in Degraded Visual Environment M. Bertolo *, A. Crippa, M. Baiguera, D. Piccinotti *, E. Mauri, A. Suprano, M. Proietti (Leonardo)
10:00-10:30	Paper ID049: Multi-fidelity CFD Analysis of Interactional Aerodynamics in Tiltrotor Conversion Maneuver D. Lewis * (ONERA), P. Sridhar, M. Smith (Georgia Tech)	Paper ID150: XV-15 Conversion Control Laws Development a Step Forward to Pilot Workload Alleviation P. Capone *, A. Pedrioli, A. Abà (Zurich University), E. Capello, L. Crippa (Politecnico di Torino)	Paper ID160: Efficient FMBD-Based Comprehensive Aeromechanics Framework with Mid-Fidelity Aeroelastic Modeling for Advanced Rotorcraft Configurations I. Jeong, H. Hong, S. Cheon, H. Cho * (Jeonbuk Nat. University), S. Chang, S.N. Jung (Konkuk University)	Paper ID111: An Integrated Aerodynamics, Aeroelasticity and Aeroacoustics Framework for Conceptual Design of Complex Tiltrotor, eVTOL and Rotorcraft Configurations L. Bowen *, F. Afzal (Sora Aviation), R. Brown (Sophrodryne Aerospace), T. Sharma, D. Rezgui, E. Jinks, J. Cooper (Uni. Of Bristol), et al	Paper ID026: LHD-FB3: A Dataset for GNSS-Denied Alternative Navigation Techniques Benchmarking F. Castellini *, S. Portanti *, M. Baiguera, (Leonardo), E. Martinelli, M. Furlan (Flying Basket S.R.L.)
10:30-11:00	Coffee break (ARENA PLATEAU)				
	CINEMA 1				
11:00-11:30	Development of the PAL-V Liberty Flying Car Tobie van den Berg (PAL-V)				
11:30-12:00	Role of Wind Tunnel Testing in Rotorcraft Development Joost Hakkaart (DNW)				
12:00-12:30	Leonardo Helicopters PROTEUS Program M. Goodwin (Leonardo Helicopters)				
12:30-13:30	Networking Lunch (Arena Plateau)				
	CINEMA 3	CINEMA 4	WATERFRONT	IJ LOUNGE	ROOM AT THE TOP
13:30-15:30	Aerodynamics 4 (Chair: Arnaud le Pape)	Special session I: Smart Twisting Active Rotor (STAR) (Chair: Pierangelo Masarati)	Acoustics 2 (Chair: Remco Habing)	Simulation & Training 2 (Chair: Marilena Pavel)	Structures & Materials 2 (Chair: Luca Medici)
13:30-14:00	Paper ID042: Preparing Flight Performance Tests of a Scaled Lift-Plus-Cruise eVTOL Using Multi-Fidelity Simulation A. Barnes *, S.L.K. Yip, J. Wang (Nanyang University), P. Kunze, E. Cerudelli, K. Pahlke (DLR)	Paper ID008: The Smart Twisting Active Rotor (STAR) Test in the LLF of the DNW B.G. van der Wall *, O. Schneider, S. Kalow, M. Raffel (DLR), J. Bailly, Y. Delrieux, I. Cafarelli, J. Delva (ONERA), D.D. Boyd (NASA), et al	Paper ID030: Rotorcraft Noise Directivity Observed by Active Trailing-Edge Flap Control in Hover M. Kim *, K. Kong *, S. Kim, S. Shin (Seoul Nat. University), J. Ryi (Chungnam Nat. University), B. Im (ADD)	Paper ID168: Parameter Estimation of a Nonlinear Helicopter Model Using Dataset Reduction with Minimum Singular Value Maximization Y. Aoglu *, O.H. Aslandoğan *, I. Yavrucuk (University of Munich)	Paper ID140: Bending Fatigue Behavior of Case-Hardened Pyrowear 53 Steel Gears with Increased Retained Austenite Content I. Çınar * (Turkish Aerospace Industries), R. Gürbüz (Middle East Technical University)
14:00-14:30	Paper ID077: Experimental Study of Side-by-Side Rotor-Ceiling Interactions A. Croke *, R. Green (University of Glasgow)	Paper ID152: Test and Preliminary Predictions – Blade-Vortex Interaction (BVI) Noise Reduction in Low-Speed Descent Flight Conditions D.D. Boyd (NASA), J.W. Lim (DEVCOM), B. van der Wall *, J. Yin (DLR), J. Bailly, Y. Delrieux (ONERA), D.H. Kim (KARI) et al	Paper ID084: Aeroacoustics of a Rotor in Forward Flight Using an Advanced Lifting-Line Model G. Frassoldati * (Leonardo Helicopters), B. de Rubels, G. Bernardini, M. Gennaretti, (Rome Tre)	Paper ID035: FAA VR-HeliSTART (Virtual Reality-Helicopter Simulator Training for Airplane to Rotorcraft Transition): Emergency and Performance Maneuvers E. Sotiropoulos-Georgiopoulos * (Rowan University), C.C. Johnson (FAA)	Paper ID091: AW609 Fatigue Life Predictions Using Virtual Sensor Estimations Versus Polynomial Regression Models T. Soprani *, E. Senaldi *, G. Bucciaaglia, C. Bernardo (Leonardo Helicopters)
14:30-15:00	Paper ID012: Development of a Real-time Induced Velocity Surrogate Model for eVTOL Rotors via Physics-Based Cascaded Deep Learning W. Wang *, G. Quaranta (Politecnico di Milano)	Paper ID054: Validation of Pre-Test Simulations for Level Flight Conditions J. Bailly, F. Richez * (ONERA), B. van der Wall, F. Weiss, G. Wilke (DLR), J.W. Lim (DEVCOM), D.D. Boyd (NASA), D.H. Kim, H.J. Kang (KARI) et al	Paper ID078: Mitigation of Aerodynamic Interaction Noise in Coaxial Propeller-Airframe Systems via Initial Phase Control S.M. Son *, C.H. Song, D.B. Jung, R.S. Myong, H. Lee (Gyeongsang Nat. University)	Paper ID192: Coupled Flight Dynamics and HVDC Power System Simulation of eVTOL Aircraft for Safety-Critical System Assessment F. Brenner * (Gamma Technologies), J. Goericke (ART)	Paper ID185: Design Rules to Enable Thermoset-to-Thermoplastic Transition of Aerospace Composite Components: Moisture Driven Allowables and Durability V.S.H. Sarma *, A.M. Grande (Politecnico di Milano), L. Volpi, A. Stefanakis, G. Fantoni, M. Tirelli (Leonardo)
15:00-15:30	Paper ID169: Quantifying Airframe Contributions to Directional Handling Qualities in Low-Speed Sideward Flight Condition A. Çağlar *, M. Kiliç, O. Güngör, A. Ezertaş (Turkish Aerospace Industries)	Paper ID096: Prediction and Validation of Hover Performance Based on Smart Twisting Active Rotor (STAR) Wind Tunnel Test H. Sugawara *, Y. Tanabe (JAXA), B. van der Wall, A. Heintz, H.T. Bartzsch (DLR), J. Bailly (ONERA), J.W. Lim (DEVCOM), et al		Paper ID093: Finite State Wake Modeling for Dynamic Ground Effect Analysis A. Metry *, J.V.R. Prasad (Georgia Tech)	Paper ID128: An Integrated End-to-End Framework for DFAM-driven Development of a Rotorcraft Main Gearbox Component: Material Assessment, Redesign and Prototyping B. Omede *, M. Bona, A.M. Grande (Politecnico di Milano), G. Agostoni, S. Varetto, T. Biasutti, T. Zarantonello, S. Sartori et al (Leonardo)
15:30-16:00	Coffee break (ARENA PLATEAU)				
16:00-18:00	Aerodynamics 5 (Chair: Furkat Yunus)	Special session II: Smart Twisting Active Rotor (STAR) (Chair: Alan Irwin)	Rotorcraft Flight Control 3 (Chair: Pierluigi Capone)	Operational Aspects 1 (Chair: Neil Taylor)	Engines & Propulsion 1 (Chair: Jamel Chergui)
16:00-16:30	Paper ID070: Flight Test Validation of Estimation Method for Tandem Propeller Performance of Tilt-Wing UAV S. Watanabe *, S. Arikawa, K. Muraoka (JAXA)	Paper ID036: Pre-Test Simulation and Wind Tunnel Demonstration of Smart Twisting Active Rotor in High-μ Condition S.N. Jung *, Y.J. Kim (Konkuk University), H.J. Kang, S. Chae, D.H. Kim (KARI), B. van der Wall, F. Weiss (DLR), J. Bailly (ONERA) et al	Paper ID051: Automated Control System Tuning Using a Modified Particle Swarm Optimization Algorithm L. Kiciński *, S. Topczewski (University of Warsaw)	Paper ID075: V2X On-Board Ground Communication to Support Rescue Mobility T. Lueken *, F.N. Gandras, L. Merk, L. Eckermann, A. Lobig, J.P. Schaefer (DLR), G. Peklar (NXP Semiconductors)	
16:30-17:00	Paper ID046: Improving Understanding of Unexpected Events During Rotorcraft Operations Using CFD R. Boisard * (ONERA)	Paper ID081: High Load Investigations of The Smart Twisting Active Rotor (STAR) – Comparison of Pre-Test Simulations with Wind Tunnel Results G. Wilke *, B. van der Wall (DLR), Y. Tanabe, H. Sugawara (JAXA), H.J. Kang, S. Chae, D.H. Kim (KARI), S.N. Jung (Konkuk University), et al	Paper ID100: Load Observer Development and Validation for the RACER Flap Electro-Mechanical Actuators Based on Flight Measurements R. Kovel * (Airbus), G. Di Rito * (University of Pisa), B. Luciano (AESIS), M. Nardeschi (Umbragroup)	Paper ID085: Effective Usage Monitoring of Helicopter Fleets Through Machine Learning Approaches A. Baldi *, L. Balzarro, A. Pinter (Leonardo Helicopters), E. Villa, M. Tanelli (Politecnico di Milano)	Paper ID117: Next-Gen Batteries for Hybrid-Electric Helicopters - On the Relevance of Scale-Resolved Simulations for Cell Design M. Okraschewski *, J. Drews, S. Rehse, D. Schonvogel, A. Latz, T. Danner (DLR), R. Müller, Boenke, H. Althues (Fraunhofer Institute)
17:00-17:30	Paper ID113: CFD-Based Assessment of Helicopter Ditching and Capsize Behavior on Wavy Water T. Kahve *, M. Erdem, H. Terzioğlu, B. Can, H. Paşahan, A. Ezertaş (Turkish Aerospace Industries)	Paper ID013: Test and Preliminary Predictions – Vibration Reduction in Low-Speed Climb/Descent Flight Conditions D.H. Kim * (KARI), B. van der Wall, O. Schneider, S. Kalow, F. Becker, G. Wilke (DLR), J. Bailly (ONERA), S.N. Jung (Konkuk University), et al	Paper ID007: Autonomous Autorotation Entry for Helicopters Using Dual-Loop Vertical Speed and Rotor Speed Feedback K. Wei *, Z. Zhu, Y. Xu, Q. Zhao (Nanjing University)	Paper ID125: AI-Driven Multivariate Anomaly Detection and Threshold Management for HUMS Across Heterogeneous Rotorcraft Fleets K. Lakshmanan *, A. Palmer, F. Dino, A. Bellazzi, F. Bianchi, (Leonardo Helicopters), D. Komp, T. Andronikos, T. Pflumm (Kopter Germany)	Paper ID182: Variable Rotor Speed Strategy for Fuel Efficiency in Helicopters C. Esen *, E. Sancar (Turkish Aerospace Industries)
17:30-18:00				Paper ID137: Hybrid DRL–SCP Control for Safe Helicopter Shipboard Landing in Strong Dynamic Interface Conditions with High-Fidelity Rotor–Airwake Simulation and Acoustic Modeling F. Yunus * (TU Delft), R. Vinuesa (University of Michigan)	Paper ID110: Air Intake Cooling System for Endurance Test in Hot Day Conditions A. Karaçelik *, B. Bilgin *, E. Sancar, T. Çakıroğlu, A.A. Ezertaş (Turkish Aerospace Industries)
	KIT (Mauritskade 63, Amsterdam)				
19:00-00:00	Conference Dinner				

	DAY 3 - Thursday September 3rd				
	CINEMA 1	CINEMA 3	WATERFRONT	IJ LOUNGE	ROOM AT THE TOP
08:30-10:30	Aerodynamics 6 (Chair: François Richez)	Dynamics 3 (Chair: Pierangelo Masarati)	Acoustics 3 (Chair: Julien Caillet)	Simulation & Training 3 (Chair: Giuseppe Quaranta)	Urban Air Mobility 2 (Chair: Marilena Pavel)
08:30-09:00	Paper ID174: Influence of Proprotor Blade Geometry on Vortex Ring State Susceptibility T. Jeong*, K. Yee (Seoul Nat. University)			Paper ID135: Fidelity Evaluation of Ship-Air Integration Modelling C. Dadswell*, N. Fernandez, N. Watson, M. White (University of Liverpool)	Paper ID161: Modeling and Performance Analyses of an eVTOL Aircraft Using Tilting Propellers with Anhedral Angle G.J. Park*, J.S. Park (Chungnam Nat. University)
09:00-09:30	Paper ID148: Understanding the Aerodynamics of the Vortex Ring State R. Brown* (Sophrodyne Aerospace)	Paper ID031: Aeroelastic Stability Analysis of DEP Aircraft B. de Rubeis*, D. Denari, M. Gennaretti (Rome Tre)	Paper ID033: Experimental Validation of Aero-Acoustic Prediction Models of a Lift-Plus-Cruise Configuration UAV F. Yunus*, K. Rave (TU Delft), G. Tzanetos, (NLR),	Paper ID061: Towards Reinforcement Learning Pilot Models Trained on Expert Demonstrations from Simulator Trials; Preliminary Application to a Lateral Translation Task C. Liao*, A. Neat, M. White (University of Liverpool), S. Manso (Nova Systems)	Paper ID118: Numerical Investigation of Airframe Effects on the Downwash-Outwash Characteristics of a Scaled Multirotor eVTOL in Hover Y. Chang *, D. Kim, Y. Jo (Hanseο University)
09:30-10:00	Paper ID155: High-Fidelity Modelling of Flight Physics within the Vortex Ring State T. Zhang*, A. Francis, O. Dada, G. Barakos (University of Glasgow)	Paper ID065: A Ground Contact Model for Ground Resonance in Multibody System Simulations F. Mazzeo*, J.H. Mertis, M. Maibach (DLR)	Paper ID127: Numerical Investigation of Aeroacoustic Signatures of Iced Rotor Blades O. Güngör* (Türkisch Aerospace Industries), S. Özgen, Y. Özyörük (Middle East Technical University)	Paper ID122: Analysis of Vehicle Response in Urban Environment Using Rotor Control Equivalent Turbulence Input (RCETA) and Urban Environment Airwake Models T. Sinha, J.V.R. Prasad* (Georgia Tech)	Paper ID105: Evaluation of Atmospheric Turbulence Models in Roughness Sublayer for AAM S. Salins*, H. Ryan, M. Smith (Georgia Tech), J. Goericke (ART)
10:00-10:30	Coffee break (ARENA PLATEAU)				
10:30-11:00	Aerodynamics 7 (Chair: François Richez)	Dynamics 4 (Chair: Giuseppe Quaranta)	Rotorcraft Flight Control 4 (Chair: Tijmen Pollack)	Aircraft Systems, Avionics, Sensors 1 (Chair: Marc Hoefinger)	Manufacturing 1 (Chair: Luca Medici)
10:30-11:00	Paper ID112: CFD-Based Assessment of Demisting Performance on Helicopter Windshield F. Kesim*, H. Terzioğlu, B. Can, H. Paşahan, A.A. Ezertaş (Turkish Aerospace Industries)	Paper ID138: Multi-Fidelity Stability Analysis of Distributed Propulsion Wings: Characterisation of Modelling Methods and Modal Interactions T. Sharma*, E. Jinks, J. Cooper, D. Rezgui (University of Bristol), R. Brown (Sophrodyne Aerospace), Luke Bowen (Sora Aviation)	Paper ID119: Design, Integration, and Preliminary Evaluation of a Thumb-Stick Collective for Rotorcraft–Pilot Coupling Mitigation P. de Franceschi*, M. Lukasiewicz, A. Zanoni (Politecnico di Milano)	Paper ID022: Radar Positioning via Coastline Matching for GNSS-Denied Navigation A. Digiacomo*, R. Brivio, M. Baiguera (Leonardo Helicopters)	Paper ID019: Qualification of AI Model for NDT Defects Detection in Radiographies of Composite Parts N. Griselin*, D. Dubois, P. Barbier (Airbus Helicopters)
11:00-11:30	Paper ID173: Drag Reduction of Folded Rotor Based on Synthetic Dual Jet Flow Control G. Zhao*, J. Han, C. Lu, Q. Zhao (Nanjing University)	Paper ID034: Design Optimization using DNN of Multiple Harmonic IBC Control Inputs for Simultaneous Reduction of Tiltrotor Vibration and Noise H.J. Son, J.S. Park* (Chungnam Nat. University), J. Jeong (KARI)	Paper ID163: Recursive Identification of Rotorcraft Pilot Biodynamics T. Aresi*, R. Pedron, A. Zanoni, P. Masarati (Politecnico di Milano), P. Capone, J.J. Deverlaja (Zurich University)	Paper ID087: A Practical Approach for Safety Integration in System Validation Process in Compliance with ARP4754 N. Cardili, F. Simonetti, V. Zanetti*, L. Uliano, A. Palmitessa*, M. Parolini (Leonardo Helicopters)	Paper ID088: Data-Driven Process Optimization in Rotor Composite Manufacturing O. Martin*, J. Thivend, M. Zellhuber (Airbus Helicopters)
	CINEMA 1				
11:30-12:00	VFS Best Paper: From Simulation to Flight: Validation of the Racer Low-Drag Rotor Hub D. Desvigne (Airbus Helicopters)				
12:00-12:30	Lessons Learned and Flight Videos from Singapore NTU eVTOL in Vortex Ring State Dr. J. Wang (Nanyang Technical University)				
12:30-13:30	Networking Lunch (Arena Plateau)				
	CINEMA 3	CINEMA 4	WATERFRONT	IJ LOUNGE	ROOM AT THE TOP
13:30-15:30	Aerodynamics 8 (Chair: Marthijn Tuinstra)	Dynamics 5 (Chair: Alan Irwin)	Flight Mechanics 2 (Chair: Marilena Pavel)	Crew Station & Human Factors 1 (Chair: Marc Hoefinger)	Test & Evaluation 1 (Chair: Sebastian Topczewski)
13:30-14:00	Paper ID073: AI-Based Optimization of Low-Reynolds Numbers Propellers G. Salomone*, G. Paolillo, T. Astarita, G. Cardone, C.S. Greco (University of Naples)	Paper ID025: Accurate Characterization of Composite-Ready Beam Sections Using Standard Finite Element Analysis C. Caccia, M. Morandini, P. Masarati* (Politecnico di Milano)		Paper ID071: Quantification of Pilot Workload Changes Due to Discreet HMI Change L. Duggan*, M. White* (University of Liverpool)	Paper ID104: The RACER's Proof of Concept in the First 50 Flight Hours M. Embacher, P. Eglin*, M. Blancha*, A. Fink (Airbus Helicopters)
14:00-14:30	Paper ID154: A Two-Way Coupled Actuator Disk/Actuator Line Model for CFD-Based Rotorcraft Flight Simulation O. Dada*, T. Zhang, G. Barakos (University of Glasgow)	Paper ID095: Aeroelastic Analysis of High-Speed Tiltrotor Stop-Fold Transition B. Li*, G. Hu (Nanyang University), P. Masarati (Politecnico di Milano), X. Wang (Nanjing University)	Paper ID183: Optimal Power-off Landing Trajectory of T625 Gökbey Helicopter H.B. Ayik*, Y.O. Arslan (Turkish Aerospace Industries)	Paper ID120: A Helicopter and Simulator Training Setup for Monitoring Pilot's Physiological State M. Maibach*, T. Jusko (DLR)	Paper ID121: Experimental and Numerical Investigation of Pressure Induced Natural Frequency Shift in a Helicopter Windshield Structure M.T. Dilsiz*, R.A. Şahin, M.S. Kavsaoğlu, O. Kayhan, B. Pehlivan*, E.E. Taşkınoğlu (Turkish Aerospace Industries)
14:30-15:00	Paper ID086: Computational Investigation of Mountain Terrain Effect on the Aerodynamic Performance of a Tandem Firefighting Drone S.B. Shin*, K.T. Park, H. Lee (Gyeongsang Nat. University)	Paper ID014: Whirl Flutter Analysis for Flexible Tiltrotor Model in Maneuvering Flight Simulation S. Zhang*, L. Li, H. Wang, C. Jiang (Tsinghua University)	Paper ID180: Preliminary Tail Design Sensitivity: Evaluation on Tiltrotor Architecture F. Marzagalli*, F. Riccardi, A. Mancini (Leonardo Helicopters)	Paper ID018: The Cost of Clarity: Human Factors Evaluation of Illustration Frequency and Format for Error Reduction in Aeronautical Maintenance Procedures P. Boulin*, N. Jahchan* (Airbus Helicopters)	Paper ID038: Improvement of the Engine Start Performance Using Li-Ion Battery Power with Pre-Heating Process in Cold Weather Flight Test Activities U.B. Ekinci*, A. Uğurluoğlu, M.S.Es. E. Türker (Turkish Aerospace Industries), D.A. Kocabaş (Istanbul University)
15:00-15:30	Papier ID080: Active Flow Control for Flow Separation Delay and Drag Reduction in High-Speed Rotorcraft Fuselage D. Jeong*, K.T. Park, H. Lee (Gyeongsang Nat. University), C. Kim, S.H. Park (Konkuk University)	Paper ID052: Methodology for Determining Flutter Instability Limits for Rotors Based on Analyses and Full-Scale Ground Tests - PZL W-3A Helicopter with New Blades K.I Ściśtowski* (PZL-Swidnik), S. Lukasik, J. Malecki (Leonardo Helicopters)	Paper ID062: A Combined Approach to Rotorcraft Dynamic Model Identification A. Roslowicz* (PZL-Swidnik), G. Maisano, M. Bergamasco (Leonardo Helicopters)	Paper ID132: Pilot Evaluation of Refined Tau-Theory-Based Rotorcraft Obstacle Avoidance Cueing C. Esmek*, R. Tauro-Padival, K.M. Feigh, J.V.R. Prasad (Georgia Tech)	
15:30-16:00	Coffee break (ARENA PLATEAU)				
16:00-18:00	Aerodynamics 9 (Chair: Marthijn Tuinstra)	Rotorcraft Flight Control 5 (Chair: Tijmen Pollack)	Unmanned Rotorcraft 2 (Chair: Neil Taylor)	Aircraft Design 3 (Chair: Luca Medici)	Safety 1 (Chair: Pierluigi Capone)
16:00-16:30	Paper ID153: High-fidelity Investigation of Propeller-wing Aerodynamic Interference in Distributed Propulsion Y.H. Lin*, G. Qiao, T. Zhang, G. Barakos (University of Glasgow)	Paper ID188: Frequency Domain Identification of a Coaxial Helicopter in Hover N.C. Trillo, O.H. Aslandoğan*, I. Yavrucuk (University of Munich)	Paper ID190: Active Control of Rotor Stopping Position for Drag Reduction in VTOL Unmanned Aerial Systems V. Coelho*, J. Lima, P. Gonçalves (Portuguese Air Force Academy)	Paper ID144: Weight Prediction Tool for Advanced Tilt Rotor S. Alberti*, S. Buselli (Leonardo Helicopters)	Paper ID158: Helicopter Wake Turbulence Hazard for Light Aircraft: A Case Study P. Kunze*, C. Schwarz, F. Sachs, F. Holzapfel (DLR)
16:30-17:00	Paper ID072: Investigation of the 7A Rotor Extensive Experimental Database from Low to High Speed & Correlation with Comprehensive Analvsis S. Nikolaou*, F. Richez, M.B. Aguirre, F. Falissard (ONERA)	Paper ID097: Integration of Full Authority Digital Engine Control in the NGCTR-TD Fly-By-Wire Flight Control System A. Colombo*, L. Viganò, N. Testa (Leonardo Helicopters)	Paper ID099: Green on Deck: A Forecast-Based Decision Function for Automated Maritime Helicopter Landing F. Galli*, M. Paoletti, D. Aiello* (Leonardo Helicopters)	Paper ID028: Structural Optimization of Double-Swept Blades Under Extreme Loads Using Deep Learning-Based Surrogate Models S.H. Park*. S.H. Chan. J.S. Bae. S.N. June (Konkuk Univeristv) ID027:	Paper ID145: Safety Process for AI-based Systems C. Ranieri*, P.O. Lecis (Leonardo Helicopters)
17:00-17:30		Paper ID040: Research on Crosswind and Yaw Control of Vector-Thrust eVTOL during Hover and Departure J. Huang*, N. Yang, Y. He, H. Wang, C. Jiang (Tsinghua University)	Paper ID067: Low-Dimensional Design Space Visualization of Fixed-Pitch Tiltrotor UAVs Cruising at a Non-zero Tilt Angle K. Yamazaki*, M. Bando, S. Hokamoto (Kyushu University)		
17:30-18:00					
18:00-18:30	ERF closing				