

| Monday, 2nd November 2026 |       |      |                                                           |                   |       |       |
|---------------------------|-------|------|-----------------------------------------------------------|-------------------|-------|-------|
|                           |       | Hall | Room1                                                     | Room2             | Room3 | Room4 |
| 9:30                      | 13:00 |      | CAMRAD II users workshop                                  |                   |       |       |
| 13:00                     |       |      |                                                           | Registration Open |       |       |
| 13:00                     | 17:00 |      | International Design Workshop on Rotor Blade Optimization |                   |       |       |
| 17:00                     | 20:00 |      |                                                           | Welcome reception |       |       |

| Tuesday, 3rd November 2026 |       |                                                 |                            |                                                                                        |                             |                     |
|----------------------------|-------|-------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------|-----------------------------|---------------------|
|                            |       | Hall                                            | Room1                      | Room2                                                                                  | Room3                       | Room4               |
| 8:15                       |       |                                                 |                            | Registration open                                                                      |                             |                     |
| 8:30                       | 8:40  |                                                 |                            | Opening Ceremony                                                                       |                             |                     |
| 8:40                       | 11:20 |                                                 |                            | Keynote lecture 1: ARF committee (Korea, China, Turkey, Singapore, and Japan), 2F Hall |                             |                     |
| 11:20                      | 11:30 |                                                 |                            | Networking and Cofee break                                                             |                             |                     |
| 11:30                      | 12:00 |                                                 |                            | Keynote lecture 2: Angelo Collins, VFS Executive Director, 2F Hall                     |                             |                     |
| 12:00                      | 13:00 |                                                 |                            | Networking and Lunch                                                                   |                             |                     |
| 13:00                      | 14:30 | 【Special Session】 SH-60L Helicopter Development | Aerodynamics & Acoustics I | Safety & Operations/ Aircraft Systems, Avionics, & Sensor                              | AAM / Unmanned Rotorcraft I | Engine & Propulsion |
| 14:30                      | 14:50 |                                                 |                            | Networking and Cofee break                                                             |                             |                     |
| 14:50                      | 16:20 | Dynamics I                                      | Aerodynamics & Acoustics I | Aircraft Design I                                                                      | Structural & Materials      | Flight Mechanics I  |
| 16:20                      | 16:40 |                                                 |                            | Networking and Cofee break                                                             |                             |                     |
| 16:40                      | 18:10 | Dynamics I                                      | Aerodynamics & Acoustics I | Aircraft Design I                                                                      | AAM / Unmanned Rotorcraft I | Flight Mechanics I  |

| Wednesday, 4th November 2026 |       |                     |                                                           |                                                                     |                              |                        |
|------------------------------|-------|---------------------|-----------------------------------------------------------|---------------------------------------------------------------------|------------------------------|------------------------|
|                              |       | Hall                | Room1                                                     | Room2                                                               | Room3                        | Room4                  |
| 8:15                         |       |                     |                                                           | Registration open                                                   |                              |                        |
| 8:20                         | 9:20  | Test & Evaluation I | Safety & Operations/ Aircraft Systems, Avionics, & Sensor | Heli Japan (Presentation in Japanese)                               | AAM / Unmanned Rotorcraft II |                        |
| 9:20                         | 9:30  |                     |                                                           | Networking and Coffee break                                         |                              |                        |
| 9:30                         | 10:00 |                     |                                                           | 【Invited presentation】Damien Desvigne (Airbus Helicopters), 2F Hall |                              |                        |
| 10:00                        | 10:10 |                     |                                                           | Networking and Coffee break                                         |                              |                        |
| 10:10                        | 11:00 |                     |                                                           | Keynote lecture 3: Wayen Johnson, NASA, 2F Hall                     |                              |                        |
| 11:00                        | 11:50 |                     |                                                           | Keynote lecture 4: Berend G. van der Wall, DLR, 2F Hall             |                              |                        |
| 11:50                        | 13:00 |                     |                                                           | Networking and Lunch                                                |                              |                        |
| 13:00                        | 14:30 |                     | 【Special Session】 Smart Twisting Active Rotor (STAR)      | Heli Japan (Presentation in Japanese)                               | Flight Mechanics II          | Structural & Materials |
| 14:30                        | 14:50 |                     |                                                           | Networking and Coffee break                                         |                              |                        |
| 14:50                        | 16:20 |                     | 【Special Session】 Smart Twisting Active Rotor (STAR)      | Heli Japan (Presentation in Japanese)                               | AAM / Unmanned Rotorcraft II | Test & Evaluation I    |
| 16:20                        | 16:40 |                     |                                                           | Networking and Coffee break                                         |                              |                        |
| 16:40                        | 18:10 |                     | 【Special Session】 Smart Twisting Active Rotor (STAR)      | Aircraft Design II                                                  | AAM / Unmanned Rotorcraft II | Test & Evaluation I    |

| Thursday, 5th November 2026 |       |      |             |                                                                    |                             |                      |
|-----------------------------|-------|------|-------------|--------------------------------------------------------------------|-----------------------------|----------------------|
|                             |       | Hall | Room1       | Room2                                                              | Room3                       | Room4                |
| 8:15                        | 8:30  |      |             | Registration open                                                  |                             |                      |
| 8:30                        | 10:00 |      |             | Aircraft Design II                                                 | Aerodynamics & Acoustics II | Test & Evaluation II |
| 10:00                       | 10:10 |      |             | Networking and Coffee break                                        |                             |                      |
| 10:10                       | 10:50 |      |             | ERF Best Paper: Linghai Lu, Cranfield University, 5F Room1 & Room2 |                             |                      |
| 10:50                       | 11:00 |      |             | Networking and Coffee break                                        |                             |                      |
| 11:00                       | 12:00 |      |             | Keynote lecture 5: Manabu Iwamoto, DBJ, 5F Room1 & Room2           |                             |                      |
| 12:00                       | 13:00 |      |             | Networking and Lunch                                               |                             |                      |
| 13:00                       | 14:30 |      | Dynamics II | Heli Japan (Presentation in Japanese)                              | Aerodynamics & Acoustics II | Test & Evaluation II |
| 14:30                       | 14:50 |      |             | Networking and Coffee break                                        |                             |                      |
| 14:50                       | 16:20 |      | Dynamics II | Flight Mechanics II                                                | Aerodynamics & Acoustics II | Engine & Propulsion  |
| 18:00                       |       |      |             | Conference Dinner, Closing Ceremony                                |                             |                      |

| Friday, 6th November 2026 |  |  |  |                |  |  |
|---------------------------|--|--|--|----------------|--|--|
|                           |  |  |  | Technical Tour |  |  |

| Tuesday, 3rd November 2026 |       |                                                                                                                                                                                                                                       |                                                                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                                                                                                                                                            |
|----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            |       | Hall                                                                                                                                                                                                                                  | Room1                                                                                                                                                                                                  | Room2                                                                                                                                                                                                                    | Room3                                                                                                                                                                                                                      |
| 8:30                       | 8:40  |                                                                                                                                                                                                                                       |                                                                                                                                                                                                        | Opening Ceremony, 2F Hall                                                                                                                                                                                                |                                                                                                                                                                                                                            |
| 8:40                       | 11:20 |                                                                                                                                                                                                                                       |                                                                                                                                                                                                        | Keynote lecture 1: ARF committee (Korea, China, Turkey, Singapore, and Japan), 2F Hall<br>(Chair: Yasutada Tanabe (Shizuoka Institute of Science and Technology))<br>Korea:<br>China:<br>Turkey:<br>Singapore:<br>Japan: |                                                                                                                                                                                                                            |
| 11:20                      | 11:30 |                                                                                                                                                                                                                                       |                                                                                                                                                                                                        | Networking and Coffee break                                                                                                                                                                                              |                                                                                                                                                                                                                            |
| 11:30                      | 12:00 |                                                                                                                                                                                                                                       |                                                                                                                                                                                                        | Keynote lecture 2: Angelo Collins, VFS Executive Director, 2F Hall<br>(Chair: Yasutada Tanabe (Shizuoka Institute of Science and Technology))                                                                            |                                                                                                                                                                                                                            |
| 12:00                      | 13:00 |                                                                                                                                                                                                                                       |                                                                                                                                                                                                        | Networking and Lunch                                                                                                                                                                                                     |                                                                                                                                                                                                                            |
| 13:00                      | 14:30 | 【Special Session】 SH-60L Helicopter Development<br>(Chair: )                                                                                                                                                                          | Aerodynamics & Acoustics I<br>(Chair: )                                                                                                                                                                | Safety & Operations/ Aircraft Systems, Avionics, & Sensor<br>(Chair: )                                                                                                                                                   | AAM / Unmanned Rotorcraft I<br>(Chair: )                                                                                                                                                                                   |
|                            |       | ARF12-2026-00110<br>Improving Whirl Flutter Stability in the SH-60L Development Program<br>Keisuke Hattori (Mitsubishi Heavy Industries, Ltd.)                                                                                        | ARF12-2026-00061<br>Assessment of an Unsteady Source-Doublet Panel-Method-Based Aeroelastic Coupling Framework for High-Advance-Ratio Coaxial Rotors<br>Dong Hyeon Kang (Konkuk University)            | ARF12-2026-00097<br>Rolleron-Based Anti-Rotation System for Litters During Hoisting Operations<br>Shunsaku Arita (National Defense Academy of Japan)                                                                     | ARF12-2026-00034<br>Wake-Induced Hazard Evaluation Criteria for Rotorcraft Operating Near the Ground<br>Juneyoung Lim (Seoul National University)                                                                          |
|                            |       | ARF12-2026-00111<br>Stiffness Reinforcement and Its Verification to Improve Whirl Flutter Stability in the SH-60L Development Program<br>Hidetoshi Suzuki (Mitsubishi Heavy Industries, Ltd.)                                         | ARF12-2026-00108<br>Numerical Study on Aerodynamic Interaction of Tandem Coaxial Counter-Rotating Rotors<br>Yuto Mochizuki (Yokohama National University)                                              | ARF12-2026-00024<br>Operational Feasibility of Helicopter-Suspended Communication Payloads for Rapid Disaster-Zone Connectivity<br>Kiyoshi Kimura (SoftBank Corp.)                                                       | ARF12-2026-00078<br>Numerical Investigation of eVTOL Rotor Downwash and Outwash using the Actuator Line Method<br>Moosong Kim (Pusan National University)                                                                  |
|                            |       | ARF12-2026-00112<br>Development and Mass Production of SH-60L: the State-of-the-Art Patrol Helicopter<br>Takuya Tateishi (Mitsubishi Heavy Industries, Ltd.)                                                                          | ARF12-2026-00032<br>Aerodynamic Interaction of Twin Rotors in Shipboard Environment<br>Kehao Yuan (Nanjing University of Aeronautics and Astronautics)                                                 | ARF12-2026-00070<br>Narrowband FxLMS-Based Tach-Synchronized Feedforward Cancellation for LDO PSRR Enhancement in Rotorcraft HUMS<br>Van Huy Phuong (Viettel Aviation Technology Center, Viettel Group)                  | ARF12-2026-00057<br>Effect of Flux Scheme Evaluation on Quadcopter Flight Mechanics Prediction Under Disturbance Winds<br>Kaisei Nomura (Kyoto Institute of Technology)                                                    |
| 14:30                      | 14:50 |                                                                                                                                                                                                                                       |                                                                                                                                                                                                        | Networking and Coffee break                                                                                                                                                                                              |                                                                                                                                                                                                                            |
| 14:50                      | 16:20 | Dynamics I<br>(Chair: )                                                                                                                                                                                                               | Aerodynamics & Acoustics I<br>(Chair: )                                                                                                                                                                | Aircraft Design I<br>(Chair: )                                                                                                                                                                                           | Structural & Materials<br>(Chair: )                                                                                                                                                                                        |
|                            |       | ARF12-2026-00017<br>Simulation of Tilt Proprotor Hub Vibratory Load Reduction via IBC using Nonlinear Interpolation for System Function Variations in Transition Flight Conditions<br>Taejoo Kim (Korea Aerospace Research Institute) | ARF12-2026-00104<br>Investigation of the ERATO rotor extensive experimental database from low to high-speed and correlation with comprehensive analysis<br>Mikel Balmaseda Aguirre (ONERA)             | ARF12-2026-00109<br>Successfully Designed and Flight Test a Tandem Wing eVTOL Aircraft<br>Shawn Lim (Nanyang Technological University)                                                                                   | ARF12-2026-00006<br>Accurate Characterization of Blade Sections Using Standard Finite Element Analysis and Component Mode Synthesis<br>Pierangelo Masarati (Politecnico di Milano)                                         |
|                            |       | ARF12-2026-00099<br>Dynamic Analysis of Quadrotor and Lift-and-Cruise Advanced Air Mobility Vehicles in Various Operating Conditions<br>Aladdin Furkan Uzunkaya (Politecnico di Milano)                                               | ARF12-2026-00008<br>Advanced Airfoils for Improved Performance of the UH-60A Rotor in Hover and Forward Flight<br>Lakshmi Sankar (Georgia Institute of Technology)                                     | ARF12-2026-00095<br>Performance-Vector-Guided Preliminary Design Screening of eVTOL Rotor Blades Using Multi-Operating-Condition Surrogate Models<br>Lei Chen (Nanjing University of Aeronautics and Astronautics)       | ARF12-2026-00093<br>Reduced-Order Model Approach for Rotorcraft Aeromechanics Analysis Using Load-Dependent Ritz Vectors<br>Jae Seong Bae (Konkuk University)                                                              |
|                            |       | ARF12-2026-00007<br>Transient Aeroelastic Response of a Tiltrotor During Conversion<br>Dong Han (Nanjing University of Aeronautics and Astronautics)                                                                                  | ARF12-2026-00058<br>Assessment of Medida-Baeder laminar-turbulent transition model<br>Dongmin Gwon (Pusan National University)                                                                         | ARF12-2026-00043<br>Simulation Study on Aerodynamic Characteristics of Discrete Rotor for Ultra-High-Speed Rotorcraft<br>Jinru Chen (Nanjing University of Aeronautics and Astronautics)                                 | ARF12-2026-00079<br>Numerical Study on Composite Tailoring and Vibration Characterization of a Rotorcraft Fuselage<br>Gyeongrak Yoon (Jeonbuk National University)                                                         |
| 16:20                      | 16:40 |                                                                                                                                                                                                                                       |                                                                                                                                                                                                        | Networking and Coffee break                                                                                                                                                                                              |                                                                                                                                                                                                                            |
| 16:40                      | 18:10 | Dynamics I<br>(Chair: )                                                                                                                                                                                                               | Aerodynamics & Acoustics I<br>(Chair: )                                                                                                                                                                | Aircraft Design I<br>(Chair: )                                                                                                                                                                                           | AAM / Unmanned Rotorcraft I<br>(Chair: )                                                                                                                                                                                   |
|                            |       | ARF12-2026-00027<br>Multi-Scenario Optimization of Damping-Induced Thermal Loading in Rotorcraft Hydraulic Dampers<br>Evren Emre Ustun (Turkish Aerospace Industries Inc.)                                                            | ARF12-2026-00106<br>Construction of Multirotor Testbed for Investigation of Rotor-Rotor Aerodynamic and Aeroacoustic Interference<br>Yuta Ozawa (JAXA)                                                 | ARF12-2026-00083<br>Concurrent aero-structural optimization of rotor blades using variable-fidelity methodology with design space reduction<br>Sejung Yoo (Seoul National University)                                    | ARF12-2026-00002<br>Feasibility Study of Container-Integrated VTOL Aircraft for High-Speed Multimodal Logistics: Optimizing Lift and Cargo Space within Standardized Container Dimensions<br>Yu Ito (Yamato Transport)     |
|                            |       | ARF12-2026-00038<br>Individual Blade Control for Vibration Reduction of Lift-Offset Rotorcraft Using Fluid-Structure Coupling<br>Young Jin Kim (Konkuk University)                                                                    | ARF12-2026-00115<br>Experimental Investigation of Rotor Layout Effects on Multirotor Noise Using Three Variable-Pitch Rotors<br>Takuto Ohyama (The University of Tokyo)                                | ARF12-2026-00092<br>A CFD/CSD Investigation of the Effects of Rotor Blade Geometry on Aeroelastic Response and Rotor Performance<br>Keita Kimura (JAXA)                                                                  | ARF12-2026-00068<br>Toward the Development of a Driver Vehicle Interface for Advanced Air Mobility in High-Speed Flight<br>Taiyo Tetsuya (Graduate School of Kanazawa Institute of Technology)                             |
|                            |       | ARF12-2026-00085<br>A Convolutional Neural Network-Guided Active Vibration Control Method for Variable-Speed Rotorcraft<br>Liu Yi (Nanjing University of Aeronautics and Astronautics)                                                | ARF12-2026-00049<br>Effects of Rotor Operating Modes on Wing Aerodynamic and Aeroacoustic Characteristics of a Tiltrotor eVTOL Aircraft<br>Yi Wei (Nanjing University of Aeronautics and Astronautics) | ARF12-2026-00036<br>Aerodynamic Performance Optimization of an Isolated Tiltrotor Using a Hybrid Optimization Method<br>Jiayi Li (Nanjing University of Aeronautics and Astronautics)                                    | ARF12-2026-00089<br>Active fault-tolerant control for tilt-hexrotor UAV based on two-layer thrust and per-rotor tilt allocation<br>Luya Huang (Nanjing University of Aeronautics and Astronautics)                         |
|                            |       |                                                                                                                                                                                                                                       |                                                                                                                                                                                                        |                                                                                                                                                                                                                          | ARF12-2026-00016<br>Flight Dynamics Modeling and Operating Limits Calculation for Tiltrotor Aircraft Shipboard Recovery Flight<br>Qingyu Lu (Chongqing University)                                                         |
|                            |       |                                                                                                                                                                                                                                       |                                                                                                                                                                                                        |                                                                                                                                                                                                                          | ARF12-2026-00045<br>Research on Tilt-Transition Control Method for eVTOL Aircraft Based on Tilt Corridor and RBF Neural Network Feedforward Compensation<br>Tianle Yu (Nanjing University of Aeronautics and Astronautics) |
|                            |       |                                                                                                                                                                                                                                       |                                                                                                                                                                                                        |                                                                                                                                                                                                                          | ARF12-2026-00087<br>Full-Envelope Reinforcement Learning Control for Tiltrotor UAVs<br>Rui Zu (Nanjing University of Aeronautics and Astronautics)                                                                         |

| Wednesday, 4th November 2026 |       |                                                                                                                                                                                            |                                                                                                                                                                                                     |                                                                                                                                                                                                   |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                |
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|                              |       | Hall                                                                                                                                                                                       | Room1                                                                                                                                                                                               | Room2                                                                                                                                                                                             | Room3                                                                                                                                                                                                             | Room4                                                                                                                                                                                                                          |
| 8:20                         | 9:20  | Test & Evaluation I<br>(Chair: )                                                                                                                                                           | Safety & Operations/ Aircraft Systems, Avionics, & Sensor<br>(Chair: )                                                                                                                              | Heli Japan (Presentation in Japanese)<br>(Chair: )                                                                                                                                                | AAM / Unmanned Rotorcraft II<br>(Chair: )                                                                                                                                                                         |                                                                                                                                                                                                                                |
|                              |       | ARF12-2026-00072<br>Application of Optical Methods to Surface Pressure and Deformation Measurements on an eVTOL Variable-Pitch Rotor<br>Yosuke Sugioka (JAXA)                              | ARF12-2026-00048<br>Helicopter Effectiveness During Initial Wildfire Attack: A Data-Driven Analysis of California Fire Suppression Operations<br>Angelo Collins (VFS Executive Director)            | A drone for realizing a formation flight of satellites<br>— Fusion of space technology and aerodynamic one —<br>Shigeru Sunada (Nagoya University)                                                | ARF12-2026-00021<br>Constructing Aerodynamic Database of UAM Aircraft Based on the Component Build-up Method<br>Dahye Kim (Pusan National University)                                                             |                                                                                                                                                                                                                                |
|                              |       | ARF12-2026-00018<br>Tip Vortex and Wake Measurements of a Rigid Coaxial Rotor in Hover Using Particle Image Velocimetry (PIV)<br>Jaehoon Jeong (Korea Aerospace Research Institute (KARI)) | ARF12-2026-00074<br>Experimental Validation of a Rotorcraft Gearbox Fault Diagnosis Algorithm Using Seeded Fault Tests<br>Inhwan Kim (Korea Aerospace Industries, LTD.)                             | ARF12-2026-00003<br>Why Are Pilots Not Attracted to Firefighting Helicopter Operations?<br>— Structural Issues from a CRM Perspective —<br>Hirofumi Nishimura (Disaster Prevention WEST (NPO))    | ARF12-2026-00102<br>Effect of Gust Response on Comfort in eVTOL Aircraft<br>Berat Kaan Firat (University of Bath)                                                                                                 |                                                                                                                                                                                                                                |
| 9:20                         | 9:30  | Networking and Coffee break                                                                                                                                                                |                                                                                                                                                                                                     |                                                                                                                                                                                                   |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                |
| 9:30                         | 10:00 | 【Invited presentation】 Damien Desvigne (Airbus Helicopters), 2F Hall<br>(Chair: Yasutada Tanabe (Shizuoka Institute of Science and Technology))                                            |                                                                                                                                                                                                     |                                                                                                                                                                                                   |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                |
| 10:00                        | 10:10 | Networking and Coffee break                                                                                                                                                                |                                                                                                                                                                                                     |                                                                                                                                                                                                   |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                |
| 10:10                        | 11:00 | Keynote lecture 3: Wayne Johnson, NASA, 2F Hall<br>(Chair: Yasutada Tanabe (Shizuoka Institute of Science and Technology))                                                                 |                                                                                                                                                                                                     |                                                                                                                                                                                                   |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                |
| 11:00                        | 11:50 | Keynote lecture 4: Berend G. van der Wall, DLR, 2F Hall<br>(Chair: Yasutada Tanabe (Shizuoka Institute of Science and Technology))                                                         |                                                                                                                                                                                                     |                                                                                                                                                                                                   |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                |
| 11:50                        | 13:00 | Networking and Lunch                                                                                                                                                                       |                                                                                                                                                                                                     |                                                                                                                                                                                                   |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                |
| 13:00                        | 14:30 |                                                                                                                                                                                            | 【Special Session】 Smart Twisting Active Rotor (STAR)<br>(Chair: )                                                                                                                                   | Heli Japan (Presentation in Japanese)<br>(Chair: )                                                                                                                                                | Flight Mechanics II<br>(Chair: )                                                                                                                                                                                  | Structural & Materials<br>(Chair: )                                                                                                                                                                                            |
|                              |       |                                                                                                                                                                                            | ARF12-2026-00009<br>The Smart Twisting Active Rotor (STAR) Wind Tunnel Test – A Joint International Cooperative Project<br>Berend G. van der Wall (DLR)                                             | 【Invited presentation】<br>Makoto Eguchi (Japan Civil Aviation Bureau Unmanned Aircraft Systems(UAS) Division )                                                                                    | ARF12-2026-00040<br>Sensitivity of Tau-Theory-Based Rotorcraft Obstacle Avoidance Guidance to Pilot Response Characteristics<br>Daniel Min (Georgia Institute of Technology)                                      | ARF12-2026-00114<br>Zone-Based Composite Laminate Optimization for Rotorcraft Airframe Structures<br>Dominik Schwinn (German Aerospace Center (DLR))                                                                           |
|                              |       |                                                                                                                                                                                            | ARF12-2026-00067<br>Smart Twisting Active Rotor (STAR) – Comprehensive Structural Development of an Adaptive Rotor Blade<br>Steffen Kalow (DLR)                                                     | 【Invited presentation】<br>Hitoshi Umemura (Aichi Bureau of Economy and Industry)                                                                                                                  | ARF12-2026-00026<br>Control Derivatives and Parameter Analysis of a Conventional Helicopter in Flight<br>Shengjie Wu (Nanjing University of Aeronautics and Astronautics)                                         | ARF12-2026-00107<br>Creep, Recovery, and Nonlinear Stiffness Behavior of Flax Fiber-Reinforced Composites in Experimental Helicopter Rotor Blades<br>Lukas Gaegehofer (Technical University of Munich)                         |
|                              |       |                                                                                                                                                                                            | ARF12-2026-00013<br>Smart Twisting Active Rotor (STAR) Wind Tunnel Test and Predictions – Blade-Vortex Interaction (BVI) Noise Reduction in Low-Speed Descent Flight Conditions<br>Doug Boyd (NASA) | 【Invited presentation】<br>Satoshi Shinohara (Yamanashi Bureau of Regional Design and New Transportation Infrastructure)                                                                           | ARF12-2026-00088<br>Cooperative Active Jetting and Cable Feedback Control for Versatile Helicopter Slung Load Operations<br>Xinming Feng (Nanjing University of Aeronautics and Astronautics)                     | ARF12-2026-00063<br>Mid-Fidelity Aeroelastic Coupled Analysis of a Mars Helicopter Rotor at Low Reynolds Numbers<br>Hyeokseong Hong (Jeonbuk National University)                                                              |
| 14:30                        | 14:50 | Networking and Coffee break                                                                                                                                                                |                                                                                                                                                                                                     |                                                                                                                                                                                                   |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                |
| 14:50                        | 16:20 |                                                                                                                                                                                            | 【Special Session】 Smart Twisting Active Rotor (STAR)<br>(Chair: )                                                                                                                                   | Heli Japan (Presentation in Japanese)<br>(Chair: )                                                                                                                                                | AAM / Unmanned Rotorcraft II<br>(Chair: )                                                                                                                                                                         | Test & Evaluation I<br>(Chair: )                                                                                                                                                                                               |
|                              |       |                                                                                                                                                                                            | ARF12-2026-00030<br>Assessment of Post-Test Simulations for the SMART Twisting Active Rotor (STAR) Under Level-Flight Conditions<br>Ilyes Berhouni (ONERA)                                          | 【Invited presentation】<br>Shunsuke Yamada (Kobe City Fire Bureau Air Mobility Team)                                                                                                               | ARF12-2026-00042<br>SkyDrive – Developing and Certifying an eVTOL Aircraft in Japan<br>Hugo Stefano (SkyDrive)                                                                                                    | ARF12-2026-00029<br>Experimental and Numerical Investigation of Rotor Wake Evolution Near a Ground Plane<br>Alexander Croke (University of Glasgow)                                                                            |
|                              |       |                                                                                                                                                                                            | ARF12-2026-00098<br>Assesment of Aerodynamic and Aeroelastic Predictions for Rotor Hover Performance Using Smart Twisting Active Rotor (STAR) Wind Tunnel Test<br>Hideaki Sugawara (JAXA)           | 【Invited presentation】<br>Kenta Ogawa (Gifu Air Rescue)                                                                                                                                           | ARF12-2026-00028<br>Numerical Flight Simulation for a Lift-and-Cruise eVTOL using Multi-Axis Sliding Mesh and Moving Computational Domain Methods<br>Ayato Takii (Kobe University, Kyoto Institute of Technology) | ARF12-2026-00055<br>Estimation of Blade Structural Properties using X-ray Computed Tomography for Rotor Aeroelastic Simulations<br>Shunsuke Takeuchi (Tokyo University of Agriculture and Technology)                          |
|                              |       |                                                                                                                                                                                            | ARF12-2026-00039<br>Post-Test Simulation and Wind Tunnel Demonstration of Smart Twisting Active Rotor in High Advance Ratio Condition<br>Sung Jung (Konkuk University)                              | 【Invited presentation】<br>Yoshiki Yamada (JGSDF Aviation School)                                                                                                                                  | ARF12-2026-00090<br>Soaring over Embodied AI: Electrification and Physical AI Reshape the eVTOL Paradigm<br>Yu Xia (eLong Aviation Industry)                                                                      |                                                                                                                                                                                                                                |
| 16:20                        | 16:40 | Networking and Coffee break                                                                                                                                                                |                                                                                                                                                                                                     |                                                                                                                                                                                                   |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                |
| 16:40                        | 18:10 |                                                                                                                                                                                            | 【Special Session】 Smart Twisting Active Rotor (STAR)<br>(Chair: )                                                                                                                                   | Aircraft Design II<br>(Chair: )                                                                                                                                                                   | AAM / Unmanned Rotorcraft II<br>(Chair: )                                                                                                                                                                         | Test & Evaluation I<br>(Chair: )                                                                                                                                                                                               |
|                              |       |                                                                                                                                                                                            | ARF12-2026-00046<br>High Load Investigations of The Smart Twisting Active Rotor (STAR) – Comparison of Post-Test Simulations with Wind Tunnel Results<br>Gunter Wilke (DLR)                         | ARF12-2026-00062<br>Surface-Distribution-Aware Surrogate Modeling of Airfoil Aerodynamics with a Fully-Converged RANS Dataset<br>Yoonpyo Hong (DLR)                                               | ARF12-2026-00124<br>Comparative Business Models for Urban and Regional Air Mobility: A Feasibility Assessment of eVTOL Operations<br>Zhong Lei, Suwa University of Science                                        | ARF12-2026-00012<br>A proposed methodology for validation of continuous energy-based performance testing in the low-speed regime for performance class 2 helicopter operations<br>Stephanie Fiore (National Test Pilot School) |
|                              |       |                                                                                                                                                                                            | ARF12-2026-00011<br>Smart Twisting Active Rotor (STAR) Wind Tunnel Testing and Pre-/Post-Test Analysis for Vibration Reduction in Low-Speed Climb/Descent Flight<br>Do-Hyung Kim (KARI)             | ARF12-2026-00081<br>Data-Efficient Transfer Learning-Based Surrogate Modeling for Aerodynamic Prediction and Optimization of Tab-Trailing Edge Airfoil<br>Hyunseo Kim (Seoul National University) | ARF12-2026-00047<br>Robust LPV-Tube MPC for Mars Coaxial Helicopters Under Complex Wind Fields<br>Chaoqun Zhang (Nanjing University of Aeronautics and Astronautics)                                              | ARF12-2026-00096<br>Measurement of Surface Pressure Distributions on a Model Rotor Blade in a Forward Flight Condition Using Pressure-Sensitive Paint<br>Kazuma Tsujimura (Tokyo University of Agriculture and Technology)     |
|                              |       |                                                                                                                                                                                            |                                                                                                                                                                                                     | ARF12-2026-00051<br>Composite Flexible Blade Design and Analysis for the SNU 20kg-Class Hexa-Tiltrotor Aircraft<br>HaRyun Choi (Seoul National University)                                        |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                |

| Thursday, 6th November 2026 |       |                                                                                                                                                                                                                                                     |                                                                                                                                                                      |                                                                                                                                                                                                                           |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             |       | Room1                                                                                                                                                                                                                                               | Room2                                                                                                                                                                | Room3                                                                                                                                                                                                                     |
| 8:30                        | 10:00 | Aircraft Design II<br>(Chair: )                                                                                                                                                                                                                     |                                                                                                                                                                      | Aerodynamics & Acoustics II<br>(Chair: )                                                                                                                                                                                  |
|                             |       | ARF12-2026-00044<br>Early-stage design of Mars rotorcraft with mission-cycle energy and lander stowage constraints<br>Seongjoong Park (Seoul National University)                                                                                   |                                                                                                                                                                      | ARF12-2026-00056<br>Aerodynamics of a Multi-Rotor eVTOL Aircraft in Hover, Transition and Cruise<br>Yasutada Tanabe (Shizuoka Institute of Science and Technology)                                                        |
|                             |       | ARF12-2026-00052<br>Advanced Three-Dimensional Structural Design and Analysis of a Gimbal Proprotor<br>SungHyeon Kim (Seoul National University)                                                                                                    |                                                                                                                                                                      | ARF12-2026-00073<br>Estimation of Structural Properties of Rotor Blades Using Model Deformation Measurement Data<br>Kohei Konishi (Tokyo University of Agriculture and Technology)                                        |
|                             |       | ARF12-2026-00054<br>The Aeroelastic Tailoring design method for double-sweep configuration blades<br>Xin Hu (Nanjing University of Aeronautics and Astronautics)                                                                                    |                                                                                                                                                                      | ARF12-2026-00050<br>Thrust variation of small side-by-side rotors in yaw posture approaching a forward-facing step<br>Otsuka Hikaru (Kanazawa University)                                                                 |
| 10:00                       | 10:10 | Networking and Coffee break                                                                                                                                                                                                                         |                                                                                                                                                                      |                                                                                                                                                                                                                           |
| 10:10                       | 10:50 | ERF Best Paper: Linghai Lu, Cranfield University, 5F Room1 & Room2<br>(Chair: Yasutada Tanabe (Shizuoka Institute of Science and Technology))                                                                                                       |                                                                                                                                                                      |                                                                                                                                                                                                                           |
| 10:50                       | 11:10 | Networking and Coffee break                                                                                                                                                                                                                         |                                                                                                                                                                      |                                                                                                                                                                                                                           |
| 11:10                       | 12:00 | Keynote lecture 5: Manabu Iwamoto, DBJ, 5F Room1 & Room2<br>(Chair: Yasutada Tanabe (Shizuoka Institute of Science and Technology))                                                                                                                 |                                                                                                                                                                      |                                                                                                                                                                                                                           |
| 12:00                       | 13:00 | Networking and Lunch                                                                                                                                                                                                                                |                                                                                                                                                                      |                                                                                                                                                                                                                           |
| 13:00                       | 14:30 | Dynamics II<br>(Chair: )                                                                                                                                                                                                                            | Heli Japan (Presentation in Japanese)<br>(Chair: )                                                                                                                   | Aerodynamics & Acoustics II<br>(Chair: )                                                                                                                                                                                  |
|                             |       | ARF12-2026-00015<br>A Comprehensive Rotorcraft Analysis Approach for Main Rotor Load Prediction and Optimization Based Model Tuning using Flight Test Data<br>Muhammet Cura (Turkish Aerospace Industries)                                          | Invited presentation]<br>Nobuo Kishi (SkyDrive)                                                                                                                      | ARF12-2026-00020<br>Numerical Investigation of Compressibility Effects on Airfoil Flows at Low Reynolds Numbers of Martian Atmosphere Using ILES<br>Sukkyung Yoon (Pusan National University)                             |
|                             |       | ARF12-2026-00077<br>Parameter Design of Helicopter Fluidelastic Isolator Based on Substructure Synthesis Method<br>Kai Lang (Nanjing University of Aeronautics and Astronautics)                                                                    | Introduction to K-RACER: Kawasaki's VTOL Unmanned Rotorcraft<br>Kazuya Arashi (Kawasaki Heavy Industries, Ltd.)                                                      | ARF12-2026-00116<br>Transonic Characteristics of a Variable-RPM Mars Multicopter<br>Yuya Kuroda (Kogakuin University)                                                                                                     |
|                             |       | ARF12-2026-00059<br>Simulation Research on Active Vibration Suppression of eVTOL Based on Rotor Speed Modulation<br>Kai Guan (Nanjing University Of Aeronautics And Astronautics)                                                                   | Introduction to the Shizuoka Institute of Science and Technology Air Mobility Research Institute<br>Akira Sato (Shizuoka Institute of Science and Technology)        | ARF12-2026-00037<br>Experimental study on active structural acoustic control for helicopter gearbox-induced cabin noise using a hybrid control strategy<br>Yang Yuan (Nanjing University of Aeronautics and Astronautics) |
| 14:30                       | 14:50 | Networking and Coffee break                                                                                                                                                                                                                         |                                                                                                                                                                      |                                                                                                                                                                                                                           |
| 14:50                       | 16:20 | Dynamics II<br>(Chair: )                                                                                                                                                                                                                            | Flight Mechanics II<br>(Chair: )                                                                                                                                     | Aerodynamics & Acoustics II<br>(Chair: )                                                                                                                                                                                  |
|                             |       | ARF12-2026-00103<br>Data-Driven Off-Policy Adaptive Dynamic Programming Control of Vertical Hub Vibration Using Trailing-Edge Flaps in a MATLAB/Dymore Co-Simulation Framework<br>Gorkem Meric (Hacettepe University, Turkish Aerospace Industries) | ARF12-2026-00022<br>Vehicle Response Simulation and Analysis in Dynamic Ground Effect<br>Andro Metry (Georgia Institute of Technology)                               | ARF12-2026-00084<br>Active Flow Control for Drag Reduction of a Compound Rotorcraft Fuselage with a Pusher Propeller<br>Chanyoung Kim (Konkuk University)                                                                 |
|                             |       | ARF12-2026-00091<br>Aeroelastic Stability of Wing-Nacelle-Propeller Systems Using an Advanced Frequency-Domain Approach<br>Yifan Yang (Nanjing University of Aeronautics and Astronautics)                                                          | ARF12-2026-00082<br>Physics Informed Neural Networks for Helicopter System Identification<br>Defne Celikcan (Technical University of Munich)                         | ARF12-2026-00053<br>Global Active Noise Control of Tiltrotor Aircraft Cabin Noise Based on Dominant Acoustic Modal Regulation: A Simulation Study<br>Jiaming Sun (Nanjing University of Aeronautics and Astronautics)     |
|                             |       | ARF12-2026-00035<br>Effect of Tail Rotor Aerodynamic Characteristics on Tail Drive Shaft Lateral-Torsional Coupled Vibration<br>Yanbo Li (Nanjing University of Aeronautics and Astronautics)                                                       | ARF12-2026-00019<br>Flight Dynamics Modelling and Analysis of Coaxial Octocopter Under Wind Limits<br>Ji Wenjun (Nanjing University of Aeronautics and Astronautics) | ARF12-2026-00069<br>Steady Blade-Resolved RANS Prediction of Aerodynamic Interaction Between a Tail Rotor and Vertical Stabilizer<br>Thanh Son Tran (Viettel Aviation Technology Center, Viettel Group)                   |
| 18:00                       |       | Conference Dinner and Closing Ceremony                                                                                                                                                                                                              |                                                                                                                                                                      |                                                                                                                                                                                                                           |