ODAS 2017
Wednesday 7th June

08:30-08:50 Welcome introduction (F. Dupoirieux, ONERA)
08:50-09:20 Keynote speech (L. Jacquin, ONERA)

Morning session chaired by L. Jacquin (ONERA)

09:20-09:50 Numerical Investigations of Blade-Tip-Vortex Dynamics (K. Kaufmann et al., DLR)
09:50-10:20 Experimental / numerical investigation of a leading-edge vortex on a propeller blade (Y.-B. Koyama, ONERA)
10:20-10:40 Coffee break
10:40-11:10 Simulation of Transonic Flows with Differential Reynolds Stress Models (V. Togiti and B. Eisfeld, DLR)
11:10-11:40 Numerical assessment of $k$-$\omega$ models in a short transitional separation bubble (L. Bernardos, ONERA)
11:40-12:10 A hybrid RANS-LES method for simulating aircraft wake vortices (S. Zholtovski and A. Stephan, DLR)
12:10-12:40 A fast discontinuous Galerkin method for high resolution hybrid URANS/LES turbulent flow simulations (F. Renac et al., ONERA)
12:40-14:00 Lunch

Afternoon session chaired by H. Hüners (DLR)

14:00-14:30 Comparison of Higher-Order CFD Modelling with an Unsteady Panel Method (G. Wilke, DLR)
14:30-15:00 Analysis of turbulent jet simulations for aeroacoustics using high-order DG methods (M. Lorteau et al., ONERA)
15:00-15:30 URANS maneuver simulations of a realistic high lift transport aircraft configuration (D. Rohlmann, DLR)
15:30-15:50 Coffee break
15:50-16:20 Experimental investigations on the Common Research Model at ONERA-S1MA –Comparison with Numerical Results (A. Cartieri et al., ONERA)
16:20-16:50 Numerical Analysis of a Centrifugal Compressor Including a Vaneless Diffuser and a Volute (J. Rosemeier, DLR)
19:30-20:30 Dinner
Thursday 8th June

Morning session chaired by KD. Pahlke (DLR)

08:30-09:00  Experimental investigation of unit Reynolds number and pressure gradient effects on two-dimensional boundary layer transition in the Cryogenic Ludwieg-Tube Göttingen (S. Risius et al., DLR)

09:00-09:30  Lidar and PIV Wind Tunnel implementation for air wake characterization of a frigate test model (B. Mialon et al., ONERA)

09:30-10:00  Boundary-layer transition measurements on Mach-scaled helicopter rotor blades in the rotating test facility Göttingen (A. Weiss et al., DLR)

10:00-10:20  Coffee break

10:20-10:50  3D gas density reconstruction using two optical techniques. Comparison experiments and CFD simulation (F. Olchewsky et al., ONERA)

10:50-11:20  Experimental and Numerical Investigation of Generic Ice Block Trajectories under Freestream Conditions (T. Kilian, DLR)

11:20-11:50  Development of a multispectral scanning spectrometer for chemical concentrations and temperature mapping in a turbulent flame (V. Corbas et al., ONERA)

11:50-12:20  Embedding heat transfer transient TLC measurement on the ONERA BATHIRE rotating rig for internal cooling of turbine blades (R. Murray et al., ONERA)

12:20-13:30  Lunch

Technical Visit

13:30 Departure by bus to ONERA Modane center

17:00 Return by bus from ONERA Modane center

ODAS Award and banquet

18:45-19:30  ODAS cocktail and ceremony of the best paper award
\textit{Ceremony chaired by B. Sainjon, Chairman of ONERA}

19:30-21:00  ODAS banquet
Friday 9th June

In parallel with ODAS: 08:30-12:00 DLR-ONERA Steering Committee

Morning session chaired by F. Dupoirieux (ONERA)

09:00-09:30  Computational study of aluminium droplet combustion in two atmospheres (M. Muller et al., ONERA)
09:30-10:00  Experimental and numerical investigation of a reactive plume for a rocket-engine exhaust (A. Nicole et al., ONERA)
10:00-10:20  Coffee break
10:20-10:50  Data Fusion of CFD solutions and Experimental Aerodynamic Data (T. Franz and M. Held, DLR)
10:50-11:20  CFD-assisted aluminium particle size distribution measurements in a reduced-scale solid rocket motor (J. Hijkema, and P. Prévot, ONERA)
12:00-13:15  Lunch
13:15  Departure by bus to Modane railway station