

09:00 – 09:10 **Opening Remarks**

09:10 – 09:55 **Keynote:** Advancing Aerodynamic Design with Fugaku: HPC and AI-Driven CAE Innovations (*Professor Makoto Tsubokura*)

09:55 – 10:25 **Talk:** Road to "AI for Science": Exploring Software Sustainability through "Couplers" (*Professor Kengo Nakajima*)

10:25 – 10:50 **Talk:** Efficient and Scalable Acceleration of Reactive CFD Solvers Coupled with Deep Learning Inference on Heterogeneous Architectures (*Fabian Orland, Ludovico Nista, Nick Kocher, Joris Vanvinckenroye, Heinz Pitsch and Christian Terboven*)

10:50 – 11:05 **Coffee Break**

11:05 – 11:35 **Talk:** Machine Learning Molecular Dynamics: Basics and Applications (*Dr. Mashiko Okumura*)

11:35 – 11:55 **Talk:** Towards an automated AI based simulation framework in aerospace engineering (*Dr. Neda Ebrahimi Pour, Frank Dressel and Sabine Roller*)

11:55 – 12:25 **Talk:** Integrated Development of a Compressible Solver with Immersed Boundary for All-Speed Flow Simulations on HPC (*Associate Professor ChungGang Li*)

12:25 – 12:30 **Closing Remarks**