Aeronautical Engineering, Aerodynamic Design Department of Aerospace Engineering



# Kawai-Asada Lab

## **FLOW PHYSICS & COMPUTATIONAL SCIENCE**

### Create the Future Next-generation CFD research Predictive science



- Next-generation predictive science of aircraft aerodynamic phenomena
- High-fidelity computational physics

• Data science and machine learning for flow analysis, control, and modeling

### Fugaku supercomputer Computational Science in the Date

- Kawai Lab has been selected to conduct MEXT Program for Promoting Researches on the Supercomputer Fugaku.
- We conduct the first high-fidelity simulation around full aircraft using state-of-the-art computational physics & Fugaku to lead innovative aircraft design.

#### Prof. S. Kawai Assit. Prof. H. Asada Research Build. No.2 M.E., 507, 505

#### Contact

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