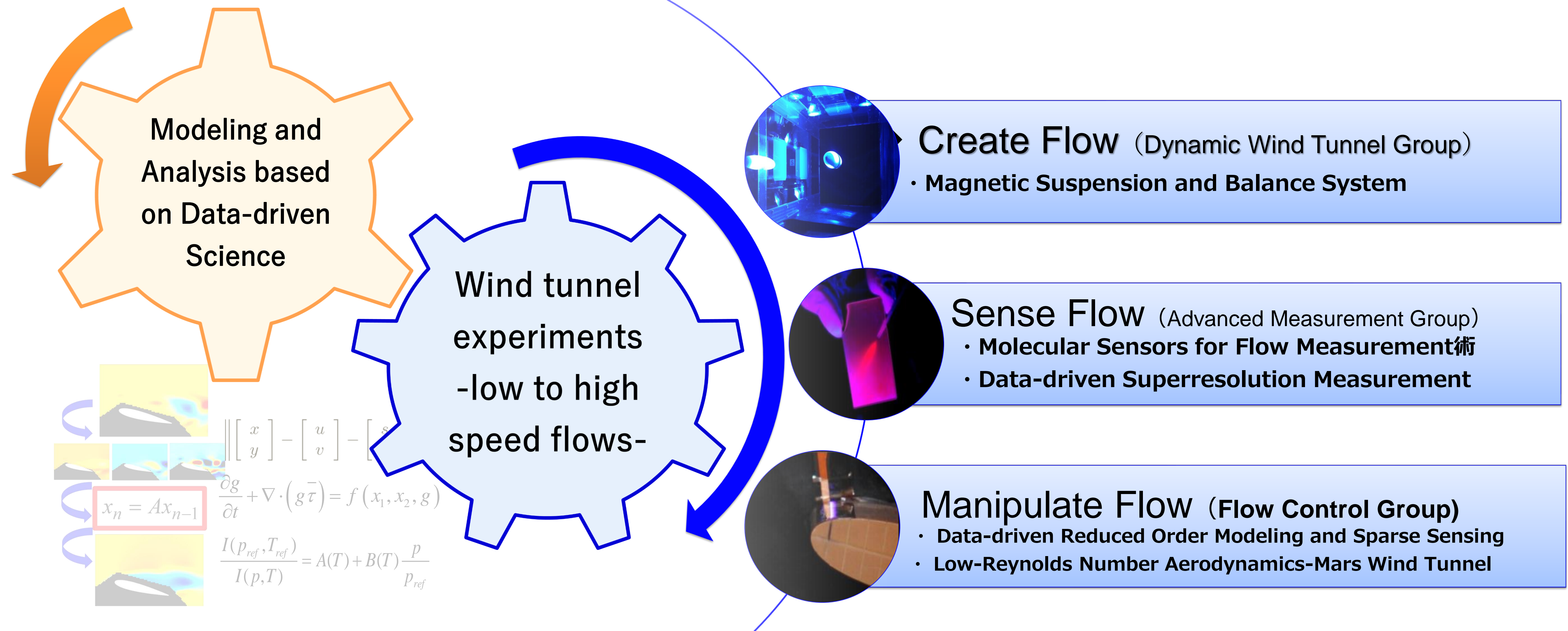
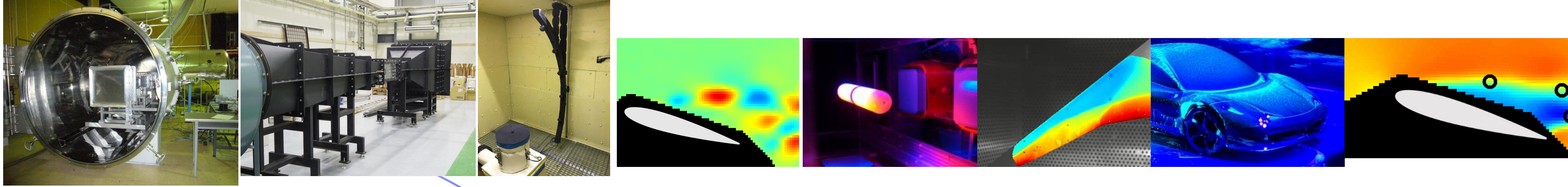




Associate Prof.  
Nonomura

*One for all, all for one*

Laboratory of world top-level  
experimental aerodynamics and data-driven science



## ◆ Create Flow (Dynamic Wind Tunnel Group)

- Magnetic Suspension and Balance System (MSBS)
- Three-Dimensional Wake Flow Utilizing MSBS

## ◆ Sense Flow (Advanced Measurement Group)

- Molecular Sensors for Extreme Flow Measurement
- Pressure and Temperature-Sensitive Paints (PSP/TSP), Luminescent Oil Film Technique (GLOF)
- Subsonic to Supersonic Flow around a Sphere at Low Re
- Data-driven Superresolution Measurement

## ◆ Manipulate Flow (Flow Control Group)

- Data-driven Reduced Order Modeling and Sparse Sensing
- Low-Reynolds Number Aerodynamics-Mars Wind Tunnel
- Active Flow Control using Plasma Actuators