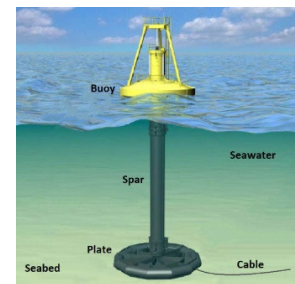
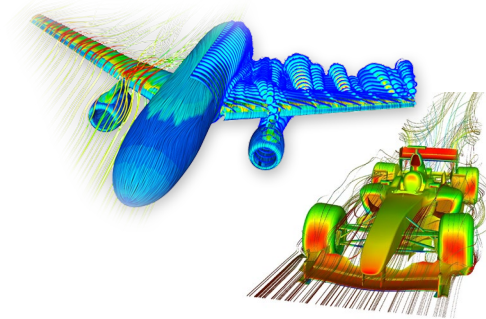
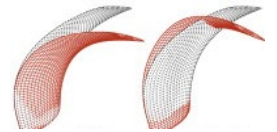
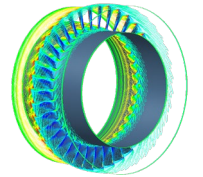
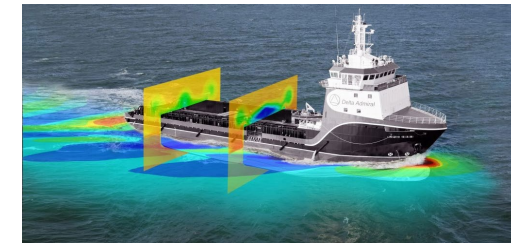
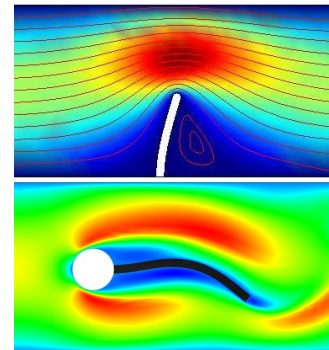
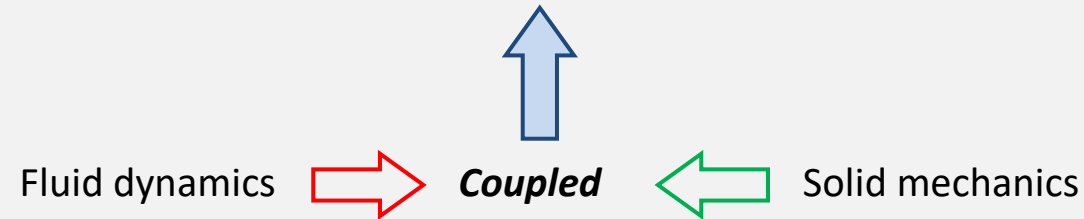


## Aims and objectives

- Understand methods and techniques for classical FSI such as aero/hydro elasticity, and aero-vibro acoustics, etc.
- Address dominant mechanisms in various engineering scenarios.
- Know the governing equations for coupled flow and structure motion/deformation.
- Understand FSI coupled algorithms and numeral methods.
- Learn how to compute FSI using commercial software, Star-CCM+ and ANSYS.

### Fluid-structure interaction (FSI)



Teaching language: English

Study period: LP2, 2023 Application deadline: 2023-08-31

Prerequisites: Fundamental fluid and solid mechanics are beneficial but not necessary.

Teachers: Hua-Dong Yao, Jonas Ringsberg, Lars Davidson, Mats Svensson

How to register? Send your Ladok transcript and a few sentences of motivation to [huadong.yao@chalmers.se](mailto:huadong.yao@chalmers.se).

