



PhD candidate
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Vortex Induced Vibrations on flexible risers with internal flow

- Aug. 2014 – Aug. 2018
- Supervisor: Svein Sævik (IMT, NTNU)
- Co-Supervisors: Ole Jørgen Nydal (EPT, NTNU)

Research topics:

- Investigate the combination of VIV and internal flow
- Investigate motion capture as a measurement technique for submerged flexible structures

Industrial goal:

- Safer operation of offshore risers
- Cheaper experiments on submerged flexible structures

Scientific questions:

- How do varying internal flow affect the response of vortex induced vibrations?

Innovations:

- Combine VIV and internal flow in experiment