

University of Stavanger

- 1600 faculty, administration and service staff
- 12.000 students
- 1000 international students
- 31 bachelor programmes
- 43 master programmes
- 11 PhD programmes
- 6 Faculties + the Museum of Archaeology
- 12 Departments (7 at TN Faculty)

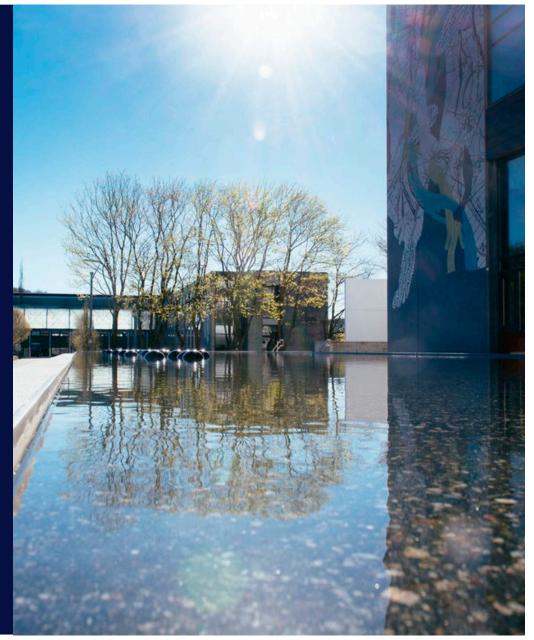




Academic staff at IMBM

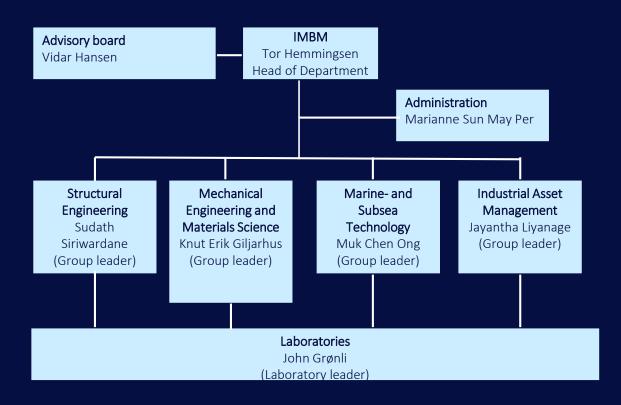
Approximately 60 employees

- O 20 full time scientific staff
- O 11 in Professor II and temporary reseach positions
- O 19 PhD and 4 Post-doc
- O 14 laboratory staff





Department of Mechanical and Structural Engineering and Materials Science (IMBM)



Study programmes, overall structure

PhD Offshore Technology
19 students

Master 2 years

Engineering Structures and Materials

- Civil Engineering Structures
- Offshore Structures
- Mechanical Systems
- Renewable energy

Bachelor 3 years

Structural Engineering

Master 2 years

Marine- and Offshore engineering

Industrial Asset Management

- Technical and Operational Integrity
- Technological Innovation and Entrepreneurship

Bachelor 3 years (+ Vocational path, Y-vei)

Mechanical Engineering

5-year programs (Bachelor+Master)

Marine and Offshore Technology

Engineering Structures and Materials

Totally Approx. 650 students



Mechanical Engineering and Materials Science – Research

- Modelling and systems development of complex mechanical systems
 - Additive manufacturing
 - Development of methods and techniques by use of advanced computational tools as FEM and CFD
 - Modelling of materials
 - Product development and production
 - Integrated operations and systems
 - Fracture Mechanics, Fatigue and Corrosion
- SEM and TEM for characterization of materials
- Thermoelectric properties of materials



aboratory Equipment



3D Printing equipment

- O Plastic printer
- O Composite printer
- O Metal printer with sintering
- O Medium scale printer
- O 3D Skanner
- O 3D Coordinator machine
- O Promet Industrial metal printer

Some projects

- NFR project with India for 3D printing
 «Alloy development for additive manufacturing of prostheses and reconstructive implants".
- Printing of model for down hill skiing for the Olympic Centre and modelling wind effects
- Printing models for ONS arm for a 3 meter model
- Printing experimental fluid cells and spare parts for UiS and Archaeological Museum
- Applications for projects e.g. VISTA, industry, ...
- Student theses