***PLEASE FORWARD - CALL FOR PAPERS***

# European Community on Computational Methods in Applied Sciences ECCOMAS 2022 – Oslo 05-09 June 2022

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# MINISYMPOSIUM MS160:

**Fluid-Structure Interaction and Structural Health Monitoring of Offshore Structures and Mechanical Systems**

This Minisymposium is devoted to “*Fluid-Structure Interaction and Structural Health Monitoring of Offshore Structures and Mechanical Systems*”. It will combine fundamental research on FSI, mechanical design and SHM with engineering applications on oil rigs, offshore wind turbines and marine energy converters, ships, ROVs for inspection of the seabed and the topside of offshore structures, and related structural components.

Topics of interest include but are not limited to: Structural Analysis with BEM and FEM

Fracture Mechanics

Damage Mechanics Machine Learning

Structural Health Monitoring Structural Dynamics Mechanical Vibrations Machine Design

CFD modelling

Wave, Wind and Soil-Structure interaction Anisotropic Materials

Subsea Technology Pipelines, Risers and Mooring systems

We are primarily interested in original research papers containing novel methods and engineering applications.

# Important Dates:

Call for Abstracts and opening of abstract Submission: 22 October 2021 Deadline for abstracts submission: 10th December 202

# Venue:

Norway Convention Center – Oslo

Information: <http://www.eccomas2022.org/frontal/Venue.asp>

# Manuscript Submission Information:

Abstracts and Manuscripts should be submitted via email to the Minisymposium organizers:

Dimitrios Pavlou: [dimitrios.g.pavlou@uis.no](mailto:dimitrios.g.pavlou@uis.no) George Lampeas: [labeas@mech.upatras.gr](mailto:labeas@mech.upatras.gr) Pantelis Nikolakopoulos: [pnikolakop@upatras.gr](mailto:pnikolakop@upatras.gr) Sudath Siriwardane: [sasc.siriwardane@uis.no](mailto:sasc.siriwardane@uis.no)

All papers will be peer-reviewed. Submitted manuscripts should not have been published previously, nor be under consideration for publication elsewhere.