



Thematic Session on Structural Integrity of Renewable Energy and Oceanic Structures

1. Thematic session title

Thematic Session on Structural Integrity of Renewable Energy and Oceanic Structures

2. Organizers, including affiliations

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4. Short description of the symposium including the scope and target public

The Thematic Session on Structural Integrity of Renewable Energy and Oceanic Structures (C-IRAS2019-REOS) is organised by the Faculty of Engineering of the University of Porto (FEUP), which will take place in the beautiful city of Porto, Portugal, on 01-02 July 2019. This Symposium is intended to be a forum of discussion of the recent advances in the domain of the structural integrity, inspection, monitoring, repair, maintenance, fatigue, fracture mechanics, structural design, stability, safety, reliability, offshore materials technologies, computational fluid dynamics, ocean renewable energy and environment. Contributions are expected from

engineers, scientists, consultants among others, in the field of ocean, offshore, polar, arctic, naval, marine renewable energy, subsea, marine environmental engineering, coastal and aquaculture engineering as well as for other specialists interested in these fields.

The goal of the Thematic Session on Structural Integrity of Renewable Energy and Oceanic Structures (C-IRAS2019-REOS) is to provide a platform to present the last research advances on:

- Design and Construction
- Structural Integrity
- Structural Safety and Reliability
- Inspection, Monitoring, Repair and Maintenance
- Fatigue and Fracture Mechanics
- Materials Technologies
- Structural Dynamic and Computational Fluid Dynamics
- Ocean Renewable Energy and Environment
- Marine Systems and Ocean Technologies

The selected papers of the C-IRAS2019-REOS will be published in the Journal Proceedings of the Institution of Civil Engineers - Maritime Engineering (ICE Publishing).

Please submit your work by email to **jacorreia@fe.up.pt** or **iras2019@fe.up.pt** with subject **C-IRAS2019-REOS**.