

27 febbraio 2019  
ore: 10.00

**Seminario Scientifico**  
**Theoretical modelling  
and design of structures  
in off-shore environment**

Pegaso Tower  
Centro Direzionale, Isola F2 - Piano 14  
Napoli

*Introduce*

**Francesco Fabbrocino**

*Prof. Scienza delle costruzioni, Università Telematica Pegaso*

*Relazione*

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*Prof. Scienza delle costruzioni, Dipartimento di Ingegneria Civile, Chimica, Ambientale e dei Materiali, Alma Mater Studiorum Università di Bologna*

**Abstract:**

Theoretical modelling is a fundamental step in structural design which aim to simplify the complexity of engineering structures. Off-shore engineering includes structural problems of several fields such as Civil, Mechanical, Naval and Environmental. Due to their broad applicability such background can be easily applied to several problems both in research and industry. The complexity of modern structures increases everyday due to the introduction of new materials, enhanced regulations and cheaper economical processes. Therefore, the need of industrial

and theoretical research is strongly required. This talk aims to present some results in the modelling of off-shore installations and off-shore structural components such as composite beams and pistons, flexible pipelines and smart devices using theoretical and numerical tools.

The present talk shows applications in off-shore engineering. All the activities were carried out at Ravenna Campus of the University of Bologna, where an efficient network exists between industrial and local authorities.

*Coordinatore Scientifico ed Organizzazione:*

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