



**ERCOFTAC Symposium on
UNSTEADY SEPARATION IN
FLUID-STRUCTURE
INTERACTION**

Mykonos, Greece, 17-21 June 2013



ANNOUNCEMENT

The present international Symposium is associated with the activities of the
ERCOFTAC - SIG 41 : “Fluid-Structure Interaction”

Location: **Mykonos – Greece**

Co-chaired by

Dr. Marianna Braza -IMFT- France

Prof. Alessandro Bottaro - Univ. of Genova - Italy

Prof. Mark Thompson, Monash University, Australia

Host Institution:

**Institut de Mécanique des Fluides de Toulouse, IMFT
Unité Mixte de Recherche UMR CNRS-INPT-UPS 5502, France**

Sessions:

- **Theoretical aspects of Fluid-Structure Interaction (FSI) involving separation**
- **Instability and Transition studies related to the onset of separation**
- **Intelligent Materials and electroactive morphing**
- **Biomimetics for smart-wing design**
- **Experimental techniques for the dynamics of separation in VIV, MIV, TIV**
- **Compressibility effects related to unsteady separation in FSI**
- **Direct Numerical Simulation of unsteady separated flows**
- **Turbulence Modeling approaches involving FSI: advanced statistical (URANS) and hybrid (URANS-LES)**
- **Coupling strategies CFD-SM**
- **Control of unsteady separation including applications with intelligent materials**

Deadline of extended abstracts submission : **10th December 2012**

Notification of acceptance : **15th February 2013**

Full paper due: **30th April 2013**

Publication of the Proceedings by the ERCOFTAC Series **after full papers review**. Selected papers after the symposium will be published following second review in scientific Journal's special issue.

