

INNOVATIVE METHODS FOR FLUID-STRUCTURE INTERACTION

TROND KVAMSDAL¹, ROGER OHAYON²
AND HARALD VAN BRUMMELEN³

¹ SINTEF ICT
N-7465 Trondheim, Norway
Trond.Kvamsdal@sintef.no, <http://www.sintef.no>

² Conservatoire National des Arts et Metiers (CNAM)
2, rue Conté, F-75003 Paris, France
ohayon@cnam.fr

² Delft University of Technology
NL-2600 GB Delft, The Netherlands
e.h.vanbrummelen@lr.tudelft.nl, <http://www.lr.tudelft.nl/>

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ABSTRACT

The objective of this Mini Symposium is to discuss progress and recent achievements in numerical computation of fluid-structure interaction, with an emphasis on new innovative methods and algorithms leading to faster, more accurate predictions and better software design for applications within (but not limited to) aero-elasticity, hydro-elasticity, noise/structural acoustic. In particular, we welcome innovative contributions within error estimation, adaptive methods, multiscale models, reduced order models and software engineering applied to fluid-structure interaction problems.