

# Minisymposia on Verification & Validation

8<sup>th</sup> World Congress on Computational Mechanics  
5<sup>th</sup> European Congress on Computational Methods in Applied Sciences and  
Engineering  
30 June-5 July 2008  
Venice, Italy

## ***ACCOMPLISHMENTS AND CHALLENGES IN VERIFICATION & VALIDATION***

Critical decisions based on simulations require an assessment of how well the simulations represent the reality of interest. The processes of Verification and Validation provide a framework for establishing confidence, via collection of evidence, that the simulation tools and their results are sufficiently accurate and appropriate for the desired predictions.

This Mini-Symposium will attempt to address many aspects of Verification and Validation based upon the contributed abstracts. All Verification and Validation related topics are welcomed, but the organizers hope to emphasize:

V&V Case Studies  
Code Verification/ Manufactured Solutions  
Verification of Calculations/Uncertainty Quantification  
Validation Metrics  
Constitutive Model V&V

*Organizers:* Luís Eça ([eca@marine.ist.utl.pt](mailto:eca@marine.ist.utl.pt)), Len Schwer ([Len@Schwer.net](mailto:Len@Schwer.net)), Martin Hoekstra ([M.Hoekstra@marin.nl](mailto:M.Hoekstra@marin.nl)) and Bill Oberkampf ([wloberk@sandia.gov](mailto:wloberk@sandia.gov))