PREFACE

The main scope of this issue is to provide to the international technical and academic community information about the latest developments on the interaction and the complementary aspects of computational methods and experimental measurements. The main attention and relevance being committed to their reciprocal and advantageous integration

It is recognised that the constant progresses in computers efficiency and numerical techniques are producing a steady growth of computational simulations, which nowadays applies to an ever-widening range of engineering problems. Nonetheless, even if these simulations are continuously expanding and improving, there still exists the need for their validation, especially for the more complex cases, which can be only accomplished by performing dedicated experimental tests. Experimental techniques are becoming increasingly complex and sophisticated so that both their running as well as data collection can only be performed by computers. Finally, it must be emphasised that, for the majority of measurements, the data obtained must be processed numerically.

This issue contains a substantial number of excellent scientific papers, which present several advanced approaches to the application of Computational Methods and Experimental Measurements.

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