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Preface

Computational Methods and Modelling are fundamental subjects in engineering and sciences. They cover a broad range of research areas, from conventional structural and mechanical designs, failure analysis, dynamic and vibration analysis, and fluid mechanics up to cutting-edge computational mechanics, nano-micro mechanics, multiscale mechanics, coupled multi-physics problems and novel materials. This is reflected in the variety of fields featured in the conference topics and disciplines, including Aerospace, Bio-medical, Civil, Chemical, Mechanical, and Materials Engineering among others.

The *International Conference on Computational Methods (ICCM)* has been providing an international forum for exchanging ideas on recent advances in areas related to computational methods, numerical modelling and simulation, as well as their applications in engineering and science. ICCM2018 was an International Conference that bridged the gap between East and West in the worldwide community of computational methods in engineering, science and even architecture: 173 from West, 158 from East, 331 Total.

This collection derives from the scientific meeting ICCM2018 (9TH edition of ICCM) held in Rome 6th–10th August 2018. The conference was organized under the auspices of Sapienza University of Rome, Italy (<http://en.uniroma1.it/>) and the Italian Association for Theoretical and Applied Mechanics (AIMETA, <http://www.aimeta.it/>). The conference took place at the Auditorium Antonianum (<http://www.auditoriumantonianum.it/>).

The present Special Issue accommodates presentations on a wide range of topics such as fluid and plasma simulations, structural mechanics problems, brick and masonry modelling, contact mechanics and innovative numerical methods.

We would like to thank authors for their outstanding effort for providing full papers of very high quality and scientific detail and reviewers for their efficient work.

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We, also, would like to thank the Editorial Office of International Journal of Computational Methods for their encouragement, support and accurate production of the current special issue.

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