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PREFACE

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This special issue of the *Latin American Journal of Solids and Structures* is composed of 7 selected articles among those presented at the 9th *International Conference on Advanced Computational Engineering and Experimenting* (*ACE-X 2015*), which was held in Munich, from June 29 to July 02, 2015.

The first *ACE-X* conference took place in 2007 in the city of Aveiro, Portugal, aiming at the congregation of people from academy, industry and research institutions to discuss computational and experimental procedures to assess emerging engineering challenges. Since then, the conference has been organized in an annual basis in different locations: Algarve (2007), Barcelona (2008), Rome (2009), Paris (2010), Algarve (2011), Istambul (2012), Madrid (2013), Paris (2014) and Munich (2015). In 2016, the conference will take place in Split, Croatia.

In Munich, the *ACE-X* conference counted with approximately 220 scientific contributions among posters and oral presentations. These were distributed in 14 *Special Sessions* of a wide range of engineering subjects, ranging from nanotechnology and constitutive models to structural optimization and sensitivity analysis. In order to be included in the present special issue, the selected manuscripts followed strictly the same peer-review procedure established by the Journal's editorial policy. All the collaborators involved in this review process are greatly acknowledged.

Pablo Andrés Muñoz-Rojas

Guest Editor

Joinvile, July 2016.