Preface

The present volume of “Applied Mechanics and Materials” contains 107 selected full-length papers from the 2nd Australasian Conference on Computational Mechanics held in Brisbane, Australia on 30 November 2015 to 1 December 2015 (ACCM2015), presented by experts in the Computational Mechanics from Australia and other 11 countries around the world, including, New Zealand, China, Japan, and USA. The conference was organized by Queensland University of Technology and Griffith University, under the auspices of the Australian Association for Computational Mechanics (AACM).

Scientifically, the collected articles in this volume well reflected the latest progress made in some emerging areas of computational mechanics, including finite element method, finite volume method, meshless method, atomic and multiscale modelling method, structural and solid mechanics, computational fluid dynamics, geomechanics, computational biomechanics, structural and topology optimization, fracture and damage mechanics, and vibration and dynamics. The conference was run with a considerably high standard and the authors were invited to participate in the “Best Paper Competition” under different categories. All the papers published in this volume underwent a rigorous peer-review process, with at least two reviews received for each paper.

The Organizing Committee is grateful to all of the contributors who made this volume possible. We wish to express our sincere appreciation to all authors and reviewers for their valuable contributions.

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