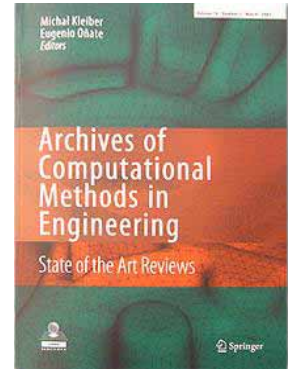

Archives of Computational Methods in Engineering

(<http://www.springer.com/engineering/journal/11831>)

Call for Papers

Special Issue on ***Advanced Simulation and Mathematical Modeling for Computational Engineering***

Guest Editors: Dr. Lean Yu



Computational engineering is emerged as a fast growing multidisciplinary area with connections to engineering, mathematics, computer science as well as other sciences. Usually, computational engineering refers to the design, development and application of computational systems for solving physical problems encountered during the study of science and engineering. These computational systems are used to obtain solutions of mathematical models that represent some physical process through the use of algorithms, software and other methods. As a relatively new discipline of engineering, computational engineering is bound to play an important role in the bringing up of new inventions and discoveries.

In order to promote the further development of computational engineering, *Archives of Computational Methods in Engineering* (ARCME) will publish a special issue dedicated to the theme of “***Advanced Simulation and Mathematical Modeling for Computational Engineering***”. The Special Issue aims at publishing high quality papers covering **modeling, design, and simulation techniques as well as applications of computational methods in such areas as liquid and gas dynamics, solid and structural mechanics, bio-mechanics, multi-body system dynamics, stochastic processes, transport phenomena, heat transfer, coupled problems, control and optimization, computer graphics, CAD/CAM etc.**

We cordially invite the authors of papers presented at the 2009 International Joint Conference on Computational Sciences and Optimization (CSO2009), April 24-26, 2009, Hainan, China to submit the revised and expanded versions of their full papers to this special issue of the Archives of Computational Methods in Engineering (ARCME) on a priority target. New submissions related to the above topics are also welcome.

All papers will go through the normal refereeing process in accordance with the high standard of Archives of Computational Methods in Engineering (ARCME). Papers should be prepared according to the “Instructions for Authors” on the journal website: <http://www.springer.com/engineering/journal/11831>. Please submit your papers to Dr. Lean Yu (e-mail: yulean@gmail.com) together with the subject of the email should be: “ARCME Special Issue Submission” no later than October 30, 2009.

Important Dates:

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| October 30, 2009: Deadline for submitting revised and expanded manuscripts |
| March 31, 2010: Acceptance notification |
| May 31, 2010: Deadline for sending final camera-ready manuscripts |

For editorial inquiry and correspondence, please contact the Guest Editor of the Special Issue:

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