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Edited by

G. R. Liu
University of Cincinnati, USA

Xu Han
Hebei University of Technology, China

Zirui Li
Wenzhou University, China
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Dear Friends and Colleagues,

On behalf of the organizing committee and the co-chairs, we would like to welcome you to the 8th International Conference on Computational Methods (ICCM) in Guilin, China, from July 25th to 29th, 2017. ICCM provides a forum for scholars, researchers, industry practitioners, engineers, and graduate and undergraduate students to present novel work on computational methods, numerical modeling and simulation, and their applications in science and engineering.

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

ICCM was founded and first chaired by Professor Gui-Rong Liu in Singapore in 2014. This was followed by ICCM 2007 in Hiroshima, Japan, ICCM 2010 in Zhangjiajie, China, ICCM 2012 in Gold Coast, Australia, ICCM 2014 in Cambridge, UK, ICCM 2015, in Auckland, New Zealand, and ICCM 2016 in Berkeley, US.

ICCM 2017 in Guilin, China includes over 490 oral presentations in 63 technical sessions, including 4 Plenary Talks, 12 Thematic Plenary Talks, and 80 Keynotes.

ICCM is unique in showcasing the current developments and trends in the general topic of Computational Methods and their relationship to global priorities in science and engineering. The papers scheduled for presentation at ICCM address many urgent and grand challenges in modern engineering and sciences. All ICCM manuscripts were peer-reviewed by independent reviewers. Full papers will be published electronically in an e-Proceedings. Selected abstracts/papers may be invited to be expanded into a journal paper for publication in special issues of some international journals.

We would like to express our sincere gratitude for the contributions of all ICCM 2017 participants and presenters at this international event. The contributions from the International Scientific Committee, Mini-Symposium Organizers, and the expert reviewers and volunteers were invaluable. Special thanks also go to the organizing committee, particularly the supporting staff from Guilin University of Electronic Technology, Guilin Amity Meeting & Exhibition, and ScienTech Services for technical and administrative support, and clear and timely communication.

Finally, we would like to thank you for your valuable contributions to the ICCM 2017 conference. We are looking forward to your participation and continued engagement for the future ICCMs.

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