PREFACE: 7TH ASIAN SYMPOSIUM ON COMPUTATIONAL HEAT TRANSFER AND FLUID FLOW–2019 (ASCHT2019)

This special issue in the *Heat Transfer Research* journal consists of selected papers from the 7th Asian Symposium on Computational Heat Transfer and Fluid Flow (ASCHT2019) chaired by Prof. Kazuhiko Suga of Osaka Prefecture University, held from September 3–7, 2019 at Tokyo University of Science, Japan. As the six preceding symposia in Xi'an, China (2007), Jeju, Korea (2009), Kyoto, Japan (2011), Hong Kong, China (2013), Busan, Korea (2015), and Chennai, India (2017), the ASCHT2019 successfully attracted 287 delegates from a wide variety of countries: Austria, Canada, China, India, Japan, Korea, Poland, Russia, Singapore, Taiwan, Thailand, and UK (in alphabetical order). The ASCHT2019 was mainly organized by the Heat Transfer Society of Japan and Tokyo University of Science, and was cooperated by Asian Union of Thermal Science and Engineering (AUTSE) and The Japan Society of Mechanical Engineers (JSME). The authors of selected papers in the hot topic sessions of "Micro/Nano Fluid Dynamics and Heat Transfer" and "Multiphase and Multi-Component Flows" from the symposium proceedings, which contain 216 extended abstracts, were invited to expand and revise their symposium manuscripts to meet the criteria for publication in this journal. After the standard review procedure of the *Heat Transfer Research* journal, five papers were selected for this special issue. We believe that these selected papers reflect the flavor of this symposium of which aims were to exchange ideas and knowledge in recent advances on various aspects in theoretical and engineering fluid and thermal sciences.

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