

From the Guest Editors

NUMERICAL METHODS FOR THERMAL SCIENCE AND ENGINEERING

This Special Issue presents 36 papers selected from 11th International Conference on Computational Heat and Mass Transfer (ICCHMT 2018). The conference venue was Cracow, Poland. The Cracow University of Technology organized this edition on days May 21-24, 2018. The Conference partners were University of Calgary (Canada), La Sapienza University of Rome (Italy), ENS Paris-Saclay (France). The ICCHMT2019 Conference Patronage includes The Committee of Thermodynamics and Combustion of the Polish Academy of Science, Republic of Poland Ministry of the Energy, Mayor of the City of Cracow Prof. Jacek Majchrowski. The ICCHMT Conference Series has been successfully organized for over 19 years in various countries including Cyprus, Brazil, Canada, France, China, Turkey, South Korea and Poland.

Over 300 participants from Australia, Belarus, Brazil, Canada, China, Finland, France, Germany, India, Italy, Japan, Malaysia, Poland, Russia, Romania, South Korea, Slovenia, Sweden, Ukraine, USA among others, presented their contribution during 24 oral Sessions alongside with four Keynote Sessions and three Poster's Sessions. The Keynote Lectures were provided by world leading specialist in the field of heat and mass transfer: Prof. Qiuwang Wang, Prof. Bozidar Sarler, Prof. Jean Taine, Prof. Ulrich Gross, Dr. Mustafa Mohamad, Prof. Pradeep Bansal, Prof. Kamel Hooman, Prof. Jiří Jaromir Klemes, Prof. Sang-Ho Suh, Prof. Li-Zhi Zhang and Prof. Zhiguo Qu. The Conference Topics included variety of topics related to *Thermal Science* journal scope like: energy systems simulation, inverse heat transfer and optimization in thermal engineering, combustion modelling, turbulent flow simulation, thermal energy storage, enhanced heat transfer, heat exchangers, convective heat transfer, two-phase flows, nanofluids, porous media, fluid machinery simulation and other relevant topics related to computational heat and mass transfer.

The 36 papers associated with the numerical modelling and interlinked to experimental measurements of heat transfer and fluid-flow processes, as well as energy engineering, was selected for publication in the Special Issue of *Thermal Sciences* journal. The papers were peer-reviewed by two reviewers, experts in the field. Therefore, the Guest Editors would like to thank the Reviewers for their time and effort in reviewing the scientific papers and providing many helpful recommendations that allowed authors to improve their manuscripts.

We would like to warmly thank the Editor-in-Chief of the *Thermal Science* journal, Prof. Simeon Oka and his coworkers for accepting the Special Issue proposal, great help and support during the editorial process. We believe that this Special Issue will be successful both for *Thermal Science* journal and International Conference on Computational Heat Mass Transfer, and allow the fruitful cooperation in future.

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