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Preface: The 10th International Meeting of Advances in Thermofluids (IMAT 2018) **FREE**



AIP Conf. Proc. 2062, 010001 (2019)

<https://doi.org/10.1063/1.5086547>



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Preface: The 10th International Meeting of Advances in Thermofluids (IMAT 2018)

The International Meeting on Advances in Thermofluids (IMAT) is a Southeast Asian Region initiative aimed at bringing together academicians, researchers, scientists and students from all over the world. This would provide a platform to foster discussion and exchange ideas, experiences, challenges, solutions, new methods and techniques and exploration of future research avenues in the fields of fluid mechanics, heat transfer, thermodynamics, combustion, thermal engineering and topics related to thermofluids. The idea of having the IMAT was originally moted by Faculty of Engineering Universitas Indonesia (UI). This idea was fully supported by the Faculty of Mechanical Engineering, Universiti Teknologi Malaysia (UTM) and the Department of Mechanical Engineering, National University of Singapore (NUS). This annual event will address recent developments and relevant issues and provides an opportunity for further collaboration between experts. UTM takes pride in being the host university for the 1st IMAT held in 2008. This was followed by the 2nd IMAT in Bogor, Indonesia in 2009 and the 3rd IMAT was held in the city-state of Singapore in 2010. The 4th IMAT was held in Avillion Hotel, Melaka, Malaysia in 2011, followed by 5th IMAT 2012 in Nirwana Resort, Bintan Island, Indonesia. The 6th IMAT in NUS, Singapore in 2013, the 7th IMAT – UTM, Malaysia in 2014, the 8th IMAT – UI, Indonesia in 2015 and the 9th IMAT – UTM Johor Bahru, Malaysia in 2017.

In November, 16-17th 2018, Universitas Indonesia was given the honor to organize the 10th IMAT with Universiti Teknologi Malaysia (UTM). The 10th IMAT was held in Grand Inna Hotel, Kuta, Bali, Indonesia. The objectives of the conference are to encourage smart partnership between academic and industry, to provide a platform for the sharing of knowledge among researcher in the field of thermofluids and to establish and strengthen worldwide networking. The topic of IMAT 2018 is Smart City: Advances Thermofluid Technology in Tropical Urban Development.

It is a pleasure to present these proceeding of the 10th International Meeting on Advances in Thermofluids, which will be of interest to all concerned in the field of thermodynamics, heat transfer and fluid mechanics. A record number of sixty-six papers from various countries were accepted for publication after reviewed by the selected experts.

Special thanks to all of those who made the conference and the proceeding successful. Hopefully, the proceeding will be a valuable contribution to the thermofluids literature and a reference to the research and educational community.

M. Idrus Alhamid
Ardiyansyah
Nasruddin
M Arif Budiyanto
Nyayu Aisyah

December 2018