

# Preface

The International Meeting on Advances in Thermofluids (IMAT) is an initiative to bring together academicians, research scientists and all interested parties from all over the world in a common platform to foster discussion, exchange ideas for the exploration of future research in the fields of thermal fluids, fluid mechanics, heat transfer, thermodynamics, energy, combustion and all topics related to them.

IMAT is a series of conferences that is held annually on the rotational basis between three universities, namely Universiti Teknologi Malaysia (UTM), National University of Singapore (NUS) and Universitas Indonesia (UI).

Previous IMAT conferences are as follows:

1st IMAT - UTM Johor, Malaysia in 2008

2nd IMAT - Safari Park, Bogor, Indonesia in 2009

3rd IMAT - Furama Hotel, Singapore in 2010

4th IMAT - Avillion Hotel, Melaka, Malaysia in 2011

5th IMAT - Nirwana Resort, Bintan Island, Indonesia in 2012

6th IMAT - NUS, Singapore in 2013

In November 26 - 27th 2014, Universiti Teknologi Malaysia was given the chance to organize the 7th IMAT in Swiss-Garden Hotel & Residences Kuala Lumpur. The objective of the conference are to encourage smart partnership between academic and industry to provide platform for sharing of knowledge among researchers in different field of thermofluids to establish and strengthen worldwide networking.

It is pleasure to present this proceeding of the 7th IMAT, which will be of interest to all concerned in the fields of Thermodynamics, Heat Transfer and Fluid Mechanics. The proceedings contain three keynote lectures given by renowned scholars, Professor Frank K. Lu (Mechanical and Aerospace Engineering Department at the University of Texas at Arlington), Thierry Maré (Institute of Technology of University of Rennes, France) and Professor Hany Al-Ansary (Mechanical Engineering Department at King Saud University).

A record number of 105 papers from various countries were accepted for publication after reviewed by the selected experts.

Special thanks to the members of the Technical and Organising committee for the time their spent on their thoughtful, helpful reviews and planning of the event, and further made this conference became successful.

***The Editors***

November 2014

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