

# The 11<sup>th</sup> International Meeting on Advances in ThermoFluids

IMAT-2019

November 7 - 8



## Call for Papers

### Venue

C-cube Chikushi Hall, Chikushi Campus, Kyushu University, 6-1 Kasuga - koen, Kasuga - city, Fukuoka, 816 – 8580, Japan

<http://www.tj.kyushu-u.ac.jp/en/index.php>

### Organizers

IMAT2019 Organizing Committee, Kyushu University

### Co-organizer

Department of Energy and Environmental Engineering, IGSES, Kyushu University

### About IMAT

The International Meeting on Advances in ThermoFluids (IMAT) is an initiative to bring together academicians, researchers, 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 fluid mechanics, heat transfer, thermodynamics, combustion and all topics related to thermal fluids. It is an annual event hosted by the Universitas Indonesia (UI), Universiti Teknologi Malaysia (UTM) and National University of Singapore (NUS, until 2015). Previous IMAT conferences are listed as follows:

- 1<sup>st</sup> IMAT – UTM Johor, Malaysia in 2008
- 2<sup>nd</sup> IMAT – Safari Park, Bogor, Indonesia in 2009
- 3<sup>rd</sup> IMAT – Furama Hotel, Singapore in 2010
- 4<sup>th</sup> IMAT – Avillion Hotel, Melaka, Malaysia in 2011
- 5<sup>th</sup> IMAT – Nirwana Resort, Bintan Island, Indonesia in 2012
- 6<sup>th</sup> IMAT – NUS, Singapore in 2013
- 7<sup>th</sup> IMAT – UTM, Malaysia in 2014
- 8<sup>th</sup> IMAT – UI, Indonesia in 2015
- 9<sup>th</sup> IMAT – UTM Johor Bahru, Malaysia in 2017
- 10<sup>th</sup> IMAT – UI, Indonesia in 2018

*“ Engineering for Harmonic Society and Environment ”*

### Scope

IMAT welcomes the latest development in the science and engineering research in the fields of fluid mechanics, heat transfer, combustion and all topics related to thermal fluids. All the submitted abstracts will be screened through a peer-review process. Following the tradition of the previous IMAT, the conference scope includes topics on:

#### Thermofluids

- ❖ Multi-phase Flow
- ❖ Boundary Layer and Free Surface Flows
- ❖ High-Speed Flows
- ❖ Compressible and Incompressible Flow
- ❖ Laminar and Turbulent Flow
- ❖ Flow Control and Diagnostics
- ❖ Rough Wall Turbulence Flow
- ❖ Wind Tunnel Experiment
- ❖ Thermal Environment and Energy Consumption
- ❖ Indoor Environmental Design
- ❖ Supersonic Microjets

#### Heat Transfer

- Boiling and Condensation Heat Transfer
- Microscale Heat Transfer
- Heat Transfer Enhancement
- Shell-and-Tube Heat Exchangers
- Plate Heat Exchangers
- Environmental Heat Transfer
- Heat Transfer in Buildings
- Heat Transfer in Electronic and Lighting Equipment
- Thermal Insulation

### Energy Conversion systems

- Mechanical Vapor Compression Heat Pumps
- Absorption Heat Pumps
- Adsorption Heat Pumps
- Power Generation Systems
- Desalination Systems
- Cogeneration Systems
- Energy Storage Systems
- Heat Transformers
- Solar Thermal Systems
- Dehumidification Systems

### Environmental Engineering

- Assessment of Low Emission Development Strategies
- Techno-Economic Analysis of Energy Sources
- Energy Planning
- Integration of Renewable Energy Sources
- Energy and Water Conservation
- Sustainable Energy Solutions
- Wastewater Treatment
- Solid Waste Management
- Ecology
- Life Cycle Assessment

### Thermophysical Properties

- ☐ Thermophysical Properties of Composite Materials
- ☐ Thermophysical Properties of Porous Materials
- ☐ Thermophysical Properties of Low GWP Refrigerants
- ☐ Thermophysical Properties of Food

### Other Relevant Topics

### Publication



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### Important dates

- Submission opening date: 15<sup>th</sup>, June 2019
- Abstract submission deadline: 15<sup>th</sup>, July 2019
- Abstract acceptance notification: 1<sup>st</sup>, August 2019
- Full paper submission deadline: 15<sup>th</sup>, September 2019
- Full paper acceptance notification: 1<sup>st</sup>, October 2019

### Submission

Please visit the following link for the submission.

<https://easychair.org/conferences/?conf=imat2019>

### Organizing Committee

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### *“Engineering for Harmonic Society and Environment”*

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- Prof. Toshiyuki Aoki, Kyushu University, Japan
- Prof. Yulianto S. Nugroho, Universitas Indonesia, Indonesia

### Registration Fee

30,000 JPY (Including the industrial & cultural tour)

### Contact information:

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### About Kyushu & Fukuoka



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