



Selected Papers from the ISTEIM'19 – Thermal Effects in Gas flow in Microscale

Guest Editors:

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submissions:

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Message from the Guest Editors

Dear Colleagues,

This Special Issue will publish selected papers from the International Symposium on Thermal Effects in Gas flow in Microscale ISTEIM 2019 - A MIGRATE Event (<http://www.istegim.eu/>), 24-25 October 2019, Ettlingen, Germany.

MIGRATE (www.migrate2015.eu) is a H2020 Marie Skłodowska-Curie European Training Network, intended to address some of the current challenges to innovation that faces European industry with regard to heat and mass transfer in gas-based micro-scale processes. The symposium topics include, but are not limited to:

- Multiphase Heat Transfer in Microstructures
- Gas-liquid contacting
- Modelling and simulation of flows and heat transfer in microstructures
- Gas Surface Interaction
- Gas Sensors and Sensor integration
- Non-invasive measurement techniques
- Lab-on-device systems
- Microsystems for bio- and environmental applications
- Thermally driven microflows
- Heat recovery and energy harvesting microsystems
- Flow and heat transfer through micro-nano porous media





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