

FIRST ANNOUNCEMENT

International Symposium on Thermal Effects in Gas flows In Microscale ISTEGIM 2019 - a MIGRATE event

Ettlingen near Karlsruhe, Germany – October 24 – 25, 2019

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. This network of 10 participants and 6 associated partners coming from all over the European Community covers different aspects of enhanced heat transfer and thermal effects in gases: from modelling of heat transfer processes and devices, development and characterization of sensors and measurement systems for heat transfer in gas flows as well as thermally driven micro gas separators, to micro-scale devices for enhanced and efficient heat recovery in environmental, transport, telecommunications and energy generation.

The MIGRATE project of the European Community presents its **International Symposium on Thermal Effects in Gas flows In Microscale (ISTEGIM 2019)**, taking place in Ettlingen near Karlsruhe, Germany on **October 24-25, 2019**. During this 2-day symposium, the members of the MIGRATE network will showcase the main achievements of the project. In addition, a variety of talks will be selected to present a state-of-the art view to the covered topics as well as new developments and research results. The program will include keynote lectures, invited lectures and contributed papers. A call for extended abstracts will be published by early 2019. Detailed information about ISTEGIM 2019 will be presented on: www.istegim.eu

The symposium program will cover the following topics:

- Micro Sensors & Sensing Techniques
- Sampling and Analysis Microsystems
- Energy Recovery Microsystems

In each of these fields, new developments will be presented, concerning:

- Modelling, simulation and design tools
- Experimental techniques and measurements
- Materials and manufacturing techniques

Conference Chairs:

Prof. Juergen Brandner - Karlsruhe Institute of Technology (juergen.brandner@kit.edu)

Dr. Lucien Baldas - INSA Toulouse (lucien.baldas@insa-toulouse.fr)