IMPORTANT DATES

AUGUST 25, 2019:
Deadline for submission of final manuscripts

SEPTEMBER 15, 2019:
Deadline for Early Bird Registration

OCTOBER 23, 2019:
Get together of ISTEGIM – Pre-event networking meeting at Karlsruhe Institute of Technology (KIT)

OCTOBER 24 – 25, 2019:
ISTEGIM at Buhlsche Mühle Ettlingen

CONFERENCE FEES

CATEGORY 1:
Students, KIT employees   370 €

CATEGORY 2:
Early Bird rate (July 21 - Sep 15, 2019)   370 €
Regular (Sep 16 - Oct 22, 2019)   420 €

CATEGORY 3:
On-site (from- Oct 23, 2019, onwards)   500 €

The fees include the participation costs to the event, coffee breaks, lunches, the get together on October 23 and the official conference dinner on October 24, 2019. The fees for accompanying persons are € 20 for the pre-event, and € 50 for the conference dinner.

INFORMATION

For more information about ISTEGIM 2019, please go at **http://www.istegim.eu** or contact the event organizers by **istegim2019@sciencesconf.org**

KIT
Karlsruher Institut für Technologie

A Marie-Curie-ITN within H2020

migrate microfluidics

micromachines
an Open Access Journal by MDPI

INSA
TOULOUSE

ISTEGIM
2019

International Symposium on Thermal Effects in Gas flows In Microscale

ISTEGIM 2019 – a MIGRATE event

www.istegim.eu

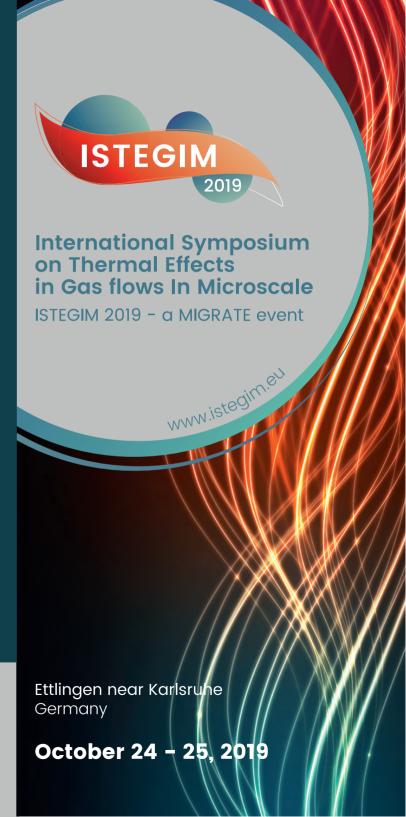Ettlingen near Karlsruhe
Germany

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 - http://www.istegim.eu)**, 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. The program will include keynote lectures, invited lectures and contributed papers on the following topics.

TOPICS

The conference 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

...and others more

GET TOGETHER OF ISTEGIM –
PRE-EVENT NETWORKING MEETING

A pre-event networking meeting and cocktail will be organized at Karlsruhe Institute of Technology (KIT) in the evening of October 23. An introductory plenary lecture will be given by Prof. Denis Maillet from the Laboratory of Energetics, Theoretical and Applied Mechanics (LEMTA) at the University of Lorraine, France.

CONTRIBUTED PAPERS

Contributed papers for the workshop will be accepted as oral or poster presentations. Participants who wish to present a paper are requested to submit an extended abstract in PDF format (4 A4 pages) for peer review. The authors of accepted abstract will have the possibility to propose a full paper for publication. Full papers or extended abstracts, following the choice of the authors, will be published within the Conference proceedings. A selection of the best long papers (8 pages and more) will be proposed by the Scientific Committee for publication in a special issue of the open access journal **Micromachines** (https://www.mdpi.com/journal/micromachines/special_issues/ISTEGIM_19).
All extended abstracts and full papers will have to be submitted by using the paper submission site: https://istegim2019.sciencesconf.org/