

Call for papers

MIGRATE 1st international workshop

Strasbourg – June 30 – July 1st, 2016



MIGRATE (MIniaturized Gas flow foR Applications with enhanced Thermal Effects) is a 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 will cover 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. More details can be found on www.migrate2015.eu.

The MIGRATE project of the European Community presents its 1st International Workshop, taking place at the University of Strasbourg, FRANCE.

Scientific program

The workshop program will focus on the following topics, covering different aspects of heat and mass transfer in gas-based micro-scale processes:

- 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

Within this 1st International Workshop 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. A poster session will be dedicated to round the workshop thematically. The program will include keynote lectures, invited lectures and contributed papers. The number of contributions is strictly limited.

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 (2 A4 pages) for peer review. A template will be available at the MIGRATE website. 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 on the Workshop proceedings.

All extended abstracts will have to be submitted before **May 15, 2016** using the e-Mail address submission@migrate2015.eu. Abstract templates are provided at: www.migrate2015.eu

Important Dates

May 15, 2016: Deadline for submission of extended abstract

May 28, 2016: Notification of acceptance

June 12, 2016: Deadline for submission of final manuscripts

June 30 – July 1st, 2016: Workshop

Scientific Committee

Erik Arlemark	ASML
Lucien Baldas	Institut National des Sciences Appliquées de Toulouse
Juergen J. Brandner	Karlsruhe Institute of Technology
Stéphane Colin	Institut National des Sciences Appliquées de Toulouse
Michel Delanaye	MITIS SA
Stéphanette Englaro	In'Air Solutions
Aldo Frezzotti	Politecnico Milano
Arjan J.H. Frijns	Technische Universiteit Eindhoven
Irina Graur Martin	Aix-Marseille University
Stéphane Le Calvé	ICPEES – University of Strasbourg
Gian Luca Morini	Alma Mater Studiorum – Università di Bologna
David Newport	University of Limerick
Dimitris Valougeorgis	Panepistimio Thessalias – University of Thessaly
Jason Stafford	Nokia Bell Laboratories
Stefan Stefanov	Institute of Mechanics, Bulgarian Academy of Sciences
Martin Wüest	INFICON
Yonghao Zhang	University of Strathclyde

Organizing Committee

Lucien Baldas	Institut National des Sciences Appliquées de Toulouse
Juergen J. Brandner	Karlsruhe Institute of Technology
Stéphane Colin	Institut National des Sciences Appliquées de Toulouse
Stéphane Le Calvé	ICPEES – University of Strasbourg
Martin Knapp	Karlsruhe Institute of Technology

Information

For more information about the workshop, please contact the event organizers:

Global organization: Dr. Lucien Baldas (lucien.baldas@insa-toulouse.fr) or
Pr. Stéphane Colin (stephane.colin@insa-toulouse.fr)

Local organization: Dr. Stéphane Le Calvé (slecalve@unistra.fr)