

## MIGRATE 3<sup>rd</sup> Summer School - June 24 - 25, 2018 Bastia, Corsica

DAY 1 - June 24 <sup>th</sup> , 2018	
8:45	<p><b>Introduction to the 3<sup>rd</sup> MIGRATE Summer School</b>            Prof. Irina Graur (Aix-Marseille University) – Prof. Juergen Brandner (KIT)            Dr. Lucien Baldas (University of Toulouse)</p>
Invited Lecture – Theory & Design Session	
9:15	<p><b>Water in confinement: Nanopore Intrusion/Extrusion Cycles and Superhydrophobicity Recovery</b>            Prof. C.M. Casciola (University of Rome La Sapienza)</p>
10:45	Coffee break
10:45	<p style="text-align: center;">Coffee break</p>
11:05	<p style="text-align: center;">Theory &amp; Design Session</p> <p><b>Heat and Mass Flow at Molecular Scales</b></p>
12:35	<p>Dr. ir. Silvia V. Gaastra-Nedea and Dr. ir. Arjan J.H. Frijns (Eindhoven University of Technology)</p>
12:40	Lunch
14:30	<p style="text-align: center;">Invited Lecture - Industrial and Application aspects Session</p> <p><b>Microdevices Exploiting Thermally-Driven Rarefied Flows</b></p>
15:30	<p>Prof. Alina Alexeenko (Purdue University)</p>
15:35	<p style="text-align: center;">Theory &amp; Design Session</p> <p><b>Lattice Boltzmann Method for Gas Non-Equilibrium Flows - a conservative discrete velocity method</b></p>
16:35	<p>Prof. Yonghao Zhang (University of Strathclyde)</p>
16:40	Coffee break
17:00	<p style="text-align: center;">Experiments &amp; Microfabrication Session</p> <p><b>Microfluidic Temperature Measurement Techniques</b></p>
17:45	<p>Dr. David Newport (University of Limerick)</p>
17:50	<p style="text-align: center;">Complementary Skills Session</p> <p><b>Talks and Presentations – 10 simple steps how to ruin them efficiently</b></p>
18:30	<p>Prof. Dr.-Ing. habil. Juergen J. Brandner (Karlsruhe Institute of Technology)</p>
18:30	Welcome glass of wine & Networking

<b>DAY 2 - June 25<sup>th</sup>, 2018</b>	
9:00	<b>Invited Lecture – Experiments &amp; Microfabrication Session</b> <b>Fabrication Methods of Microfluidic Heat Exchangers</b>
10:30	<b>Prof. Giampaolo Mistura (Padua University)</b>
10:30	<b>Coffee break</b>
10:50	<b>Industrial and Application aspects Session</b> <b>Vacuum Pressure Sensors in the Semiconductor Industry</b>
11:50	<b>Dr. Martin Wüest (INFICON)</b>
11:55	<b>Industrial and Application aspects Session</b> <b>CFD based Design Methodologies for Compact Heat Exchangers</b>
12:40	<b>Dr. Michel Delanaye (Mitis SA)</b>
12:45	<b>Lunch</b>
14:30	<b>Experiments &amp; Microfabrication Session</b> <b>Mass Flow Measurement</b>
15:30	<b>Dr. Pierre Perrier (Aix-Marseille University)</b>
15:30	<b>Industrial and Application aspects Session</b> <b>Developing the Next-Generation of Multiphase Thermal Systems</b>
16:30	<b>Dr. Ryan Enright (Nokia Bell Labs)</b>
16:30	<b>Coffee break</b>
16:45	<b>Complementary Skills Session</b> <b>Work-Life-Balance...and 10 simple, efficient steps to destroy it</b>
17:25	<b>Prof. Dr.-Ing. habil. Juergen J. Brandner (Karlsruhe Institute of Technology)</b>
	<b>End of the Summer School</b>