

Registration

www.ercoftac.org

Location

Philips Applied Technologies

Philips Applied Technologies is located in the High Tech Campus, Eindhoven, The Netherlands. It can be reached from Schiphol Airport, Amsterdam, or Eindhoven Airport.



Seminar fees

- €170 ERCOFTAC members
- €260 Non-ERCOFTAC members

This fee includes: seminar registration & material, refreshments, lunch and tour of facilities. Please note that accommodation is not included in this fee.

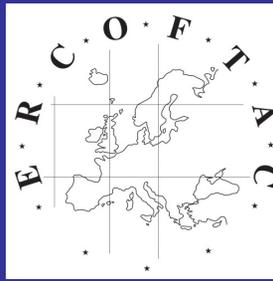
Registration

Places are limited. Please contact Dr Richard Seoud at the earliest opportunity to reserve a place:

Dr. Richard E. Seoud
ERCOFTAC Industry Engagement Officer

Tel: +44 (0)208 543 9343

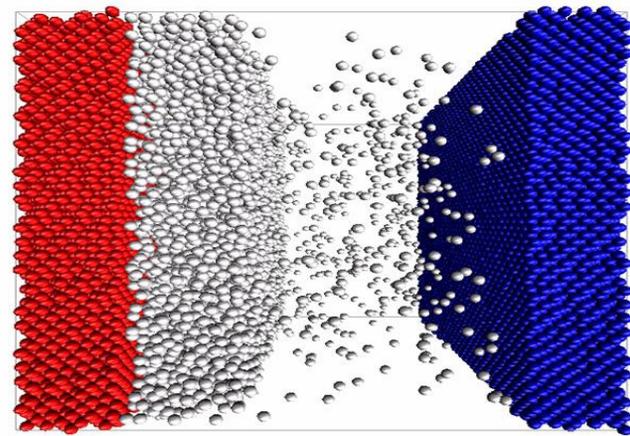
Email: richard.seoud-ieo@ercoftac.org



Microfluidics & Microheat

Technology Awareness : 2nd Industrial Seminar

www.ercoftac.org



11th November 2009

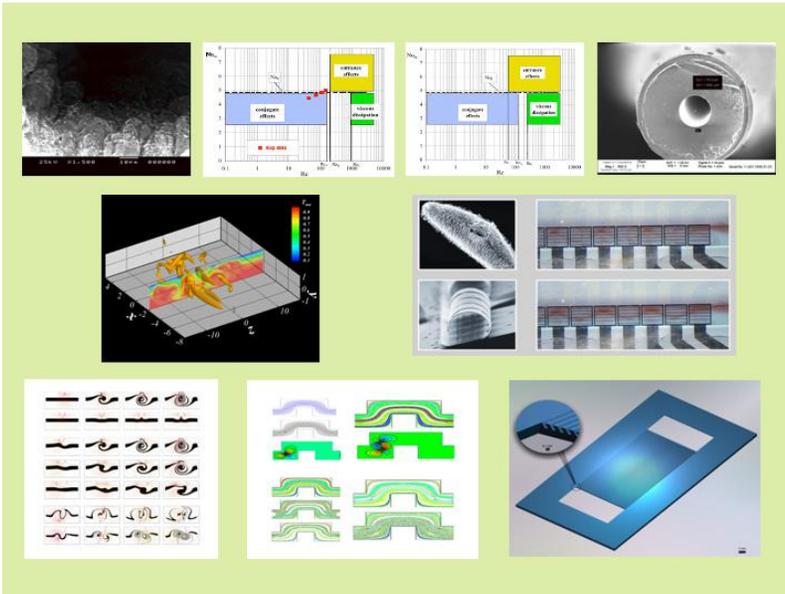
Philips Applied Technologies
Eindhoven, The Netherlands

Information

ERCOFTAC, world community in applied fluid mechanics, is proud to announce a seminar on 'Microfluidics and Microheat' as part of the ERCOFTAC Technology Awareness Industrial Seminar Series.

The development of microscale systems has been growing rapidly, making many engineering applications possible. It is now commonly accepted that miniaturization associated to microtechnologies will give birth in the near future to new objects which will affect industrial practice and our daily life in many aspects. There is no end to the field of application, from basic mixing, to compact heat exchanger, chip cooling in electronic devices, microreactors, biological systems and beyond. This field represents one of the best arenas for innovation and the emergence of green technologies, without incurring a large capital cost, as demonstrated by Lab on Chip technologies.

The aim of the seminar is to deliver a set of presentations that captures much of the aforementioned in the field of microfluidics and microheat, with emphasis on technologies that are amenable to early industrial R&D cycle. Therefore, the talks will indicate present level of research with a speculative view on what the future holds, with practicability borne in mind. At the end of the day, the delegates are offered a tour of the facilities.



Speakers & Programme

Speakers

- Prof. Tine Baelmans, Univ. of Kuleuven, Belgium
- Prof. Charles Baroud, LadHyX, Ecole Polytechnique, France
- Prof. Gian Piero Celata – ENEA, Italy
- Prof. Jaap den Toonder, Philips Applied Technologies, The Netherlands
- Dr. Arjan Frijns, Eindhoven Univ. of Technology
- Prof. Sedat Tardu
Maître de Conférences à l'Université J. Fourier Grenoble
Grenoble, France

Wednesday 11th November 2009

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|-------|---|--------------------------|
| 8:45 | Registration and coffee | |
| 9:15 | Micro Mixing Systems | <i>Prof. Tardu</i> |
| 10:00 | Optically Controlled Droplet Microfluidics | <i>Prof. Baroud</i> |
| 10:45 | Refreshments | |
| 11:05 | Micro-fluidics for Lab-on-Chip Applications | <i>Prof. den Toonder</i> |
| 11:50 | Fluid Flow and Heat Transfer in Single- and Two-Phase Flow | <i>Prof. Celata</i> |
| 12:35 | Lunch | |
| 13:40 | Micro-channel Applications for Heat Sinks and Compact Heat Exchangers | <i>Prof. Baelmans</i> |
| 14:25 | Evaporative Cooling of Electronic Devices | <i>Dr. Frijns</i> |
| 15:10 | Refreshments | |
| 15:30 | Brief Q&A | |
| 15:50 | Tour of Facilities | |
| 16:30 | Seminar Close | |

