

AGENDA
HMTMIC workshop

Thursday 5 October 2006 13h30-17h30
Young researchers' works in HMTMIC European Network project

13h30-14h00 Lecture 1

Experimental Investigations of Flow Boiling of Water in Vertical Narrow Channels, IKE, University of Stuttgart, Germany

14h00-14h30 Lecture 2

Constructal micro-channels network development, CEA-GRETHER, Grenoble, France

14h30-15h00 Lecture 3

Two phase flow patterns and visualization in micro-channels, Swiss Federal Institute of Technology Lausanne (EPFL), Lausanne, Switzerland

15h00-15h30 Lecture 4

Numerical investigations on heat transfer in micro-channels, University of Ljubljana, Slovenia

15h30-16h00 Coffee-Tea Break

16h00-16h30 Lecture 5

Numerical investigations on heat transfer in micro-channels, University of Ljubljana, Slovenia

16h30-17h00 Lecture 6

Experimental investigation on condensation heat transfer in micro-channel, University of Padova, Italy

17h00-17h30 Lecture 7

Two phase flow in small channels, Kungliga Tekniska Högskolan (KTH), Stockholm, Sweden

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Friday 6 October 2006 9h00-16h15

9h00-9h15 Welcome and presentation of the programme

9h15-9h45 Lecture 1

Experiments and modeling of capillary flows with phase change (vaporization and condensation), M. Miscevic, UPS, Toulouse, France

9h45-10h15 Lecture 2

Experimental flow boiling study in mini-channels, N. Caney, F. Madrid, P. Marty, LEGI-GRETh, CEA Grenoble, France

10h15-10h45 Lecture 3

Flow distribution in micro channels and fractal heat exchangers, L. Luo, LOCIE, Chambéry, France

10h45-11h15 Coffee-Tea Break

11h15-11h45 Lecture 4

Flow boiling of hydrocarbons in a compact plate-fin heat exchanger, C. Desrats and P. Mercier, CEA-LETH, Grenoble, France

11h45-12h15 Lecture 5

Two-phase heat transfer in micro-fin tubes, K. Brand, Wieland, Ulm, Germany

12h15-12h45 Discussion

12h45-14h00 Lunch break

14h00-14h30 Lecture 6

Refrigerant load reduction in refrigeration plants using microchannels heat exchangers, Cemagref, Antony, France

14h30-15h00 Lecture 7

Evaluation of miniature heat pipes based on Direct Bonded Copper technology for microelectronic applications, Y Avenas, LEG, Grenoble, France

15h00-15h30 Lecture 8

Nanofluids, a new class of heat transfer fluids, A. Gruss, CEA-LETH, CEA-Grenoble, France

15h30-16h00 Lecture 9

16h00-16h15 Closing