

## Training School #1 Schedule

10<sup>th</sup> – 12<sup>th</sup> October 2017

Location: Biblioteca. Reitoria da Universidade de Lisboa

1649-004 Lisboa, Portugal

### 10<sup>th</sup> October

14.30 – 15.30. Prof. J. Enrique Julia (Universitat Jaume I, Spain). Welcome Lecture (Introduction to Nanofluids, NANOUPAKE COST Action and NANOUPAKE Training Schools)

15.30 – 16.30: Dr. Boris Pedrono (Cordouan Technologies, France), Mr. Fernando Steinbrüggen (IFI, Spain). Introduction to Dynamic Light Scattering Techniques.

16.30 – 17.00: Coffee break.

17.00 – 19.00: Dr. Boris Pedrono (Cordouan Technologies, France), Mr. Fernando Steinbrüggen (IFI, Spain), Prof. J. Enrique Julia (Universitat Jaume I, Spain). Practical Workshop of Dynamic Light Scattering Measurements in nanofluids at high temperature conditions.

### 11<sup>th</sup> October

09:15 – 10:45: Prof. Simone Mancin (University of Padova, Italy). Best Practice on Single and Two-Phase Heat Transfer with Nanofluids. Tips and Tricks for Medium and High Temperature Nanofluids

10.45 – 11.15: Coffee break.

11.15 – 12.45. Dr. Zan Wu (Lund University, Sweden). Application of nanofluids in heat exchangers: performance and challenges.

13.00 – 14.30: Lunch break.

15.00 – 16.30. Dr. Matthias Buschmann (ILK Dresden gGmbH / University of Dresden). Are nanofluid flows sufficiently described employing effective medium theory? - Similarity analysis of nanofluid flow.

16.30 – 17.00: Coffee break.

17.00 – 18.30. Dr. Helena Navarro (BCES, University of Birmingham, UK). Characterization Techniques of nanofluids for heat transfer applications: methods and challenges

### 12<sup>th</sup> October

09:15 – 12:45: Prof. Sohel Murshed and Prof. Carlos Nieto de Castro (Universidade de Lisboa, Portugal). Preparations, Properties and Performances of Nanofluids and Ionanofluids, and Visit to laboratories.