



International
Conference
on Nanofluids



2nd European
Symposium
on Nanofluids



When

26th-28th June 2019

Where

Universitat Jaume I
Castelló, Spain

Further information

www.icnf2019.com
secretary@icnf2019.com

Presentation

International Conference on Nanofluids (ICNf) and **European Symposium on Nanofluids (ESNf)** are a series of conferences under the auspices of the European Cooperation in Science and Technology (COST) Action - **NANOUP TAKE** (CA15119, www.nanouptake.eu).

Both events promote global **collaboration** and **exchange** between **researchers and engineers** working on **nanofluids** – suspensions with particles ranging in size from 10 nm to 100 nm – and related areas.

Focuses of ICNf 2019 include **production** and **characterisation of nanofluids** and **liquid-based nanocomposites**, **nanofluid-based heat transfer** and **storage of thermal energy** as well as **industrial applications**.

Representatives of related industries are invited to ICNf 2019 to enable direct **knowledge transfer from science to industry**.

Topics

ICNf 2019 covers a wide field of nanofluids **from basic research to real world industrial applications**:

- **Health, safety, and environmental** issues
- **Nanofluid materials** (nanoparticles, nanoPCM, nanofluids, nanosalts, ionanofluids, etc.)
- **Nanofluid preparation and characterisation methods** (stability, agglomeration, etc.)
- **Nanofluid properties** (thermophysical, optical, and magnetic properties)
- **Heating, cooling, and refrigeration**
- **Phase change based heat transfer** (boiling, surface coating, heat pipes, etc.)
- **Storage of thermal energy**
- **Solar energy applications** (specific black nanofluids, volumetric solar collectors, etc.)
- **Numerical simulation** on the microscopic and macroscopic levels
- **Industrial applications**



1 Keynote and invited speakers

International first level speakers

Robert Taylor. University of New South Wales. Australia

Somchai Wongwises. King Mongkut's University of Technology Thonburi. Thailand

Yimin Xuan. Nanjing University of Science and Technology. China

Mohsen Sharifpur. University of Pretoria (UP). South Africa

Stephan Kabelac. Leibniz University Hannover. Germany

2 Oral and poster contributions

Open to all participants

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Collaborators:

