

The University of Nottingham 28th - 30th June 2016

- ❑ Exchange and share experiences and research results about heat transfer and the related applications
- ❑ Discuss practical challenges encountered and solutions adopted.

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## Micro/nano scale heat transfer:

Targeted for the performance improvement of high power density energy saving devices/systems, multi-phase heat transfer in micro/nano scale, radiation heat transfer in micro/nano scale, novel heat transfer devices, experiments and numerical simulations of micro/nano flow and heat transfer, nature-induced heat transfer phenomena and applications, etc.

## Heat transfer in energy and power systems

Increment of the energy utilization efficiency, subtopics include flow and heat transfer issues in various heat exchangers, heat transfer enhancement, heat transfer coupling with material corrosion and chemical reactions, heat transfer for low grade energy utilization, heat transfer in chemical and nuclear reactor systems, etc.

## Heat transfer in renewable energy utilizations

Flow and heat transfer in solar receivers, heat transfer in solar thermal-chemical reactors, various heat exchangers for renewable energy utilizations, coupled radiation and convective heat transfer, experiments and numerical simulations of heat transfer in renewable energy systems, etc.

**Any topic related to  
energy and power  
engineering is  
welcome.**