Microchannel cooling for microprocessors and heat exchangers

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Horizon Europe Matchmaking Event Energy Research

19 October, 2021.

University of Leicester

27th in the UK (and 185th in the world) in the <u>Times Higher Education (THE)</u> <u>World University Rankings</u>

75% of our research was judged to be internationally excellent with wide-ranging impacts on society, health culture, and the environment (Research Excellence Framework evaluation)

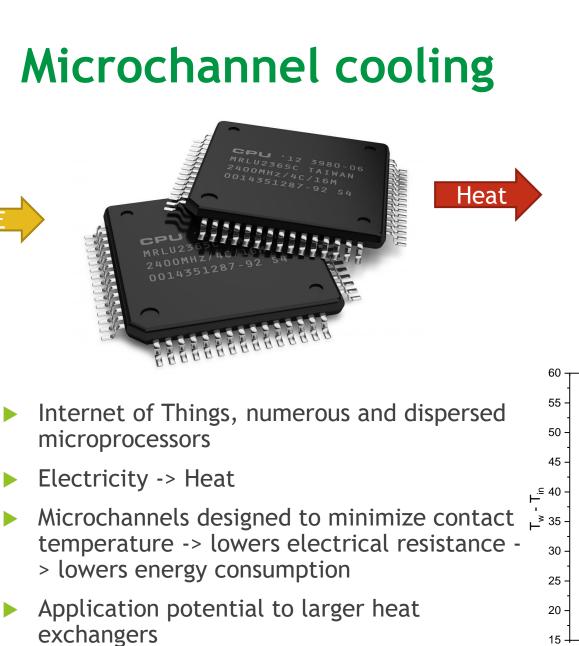
School of Engineering

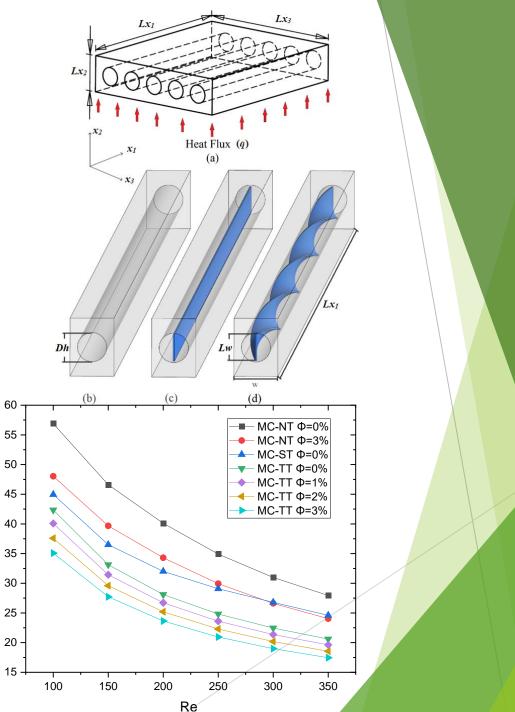
The School of Engineering opened in 1961, and it has developed into a home for multi-disciplinary Engineering teaching and research.

There are approximately 40 staff and 600 students.

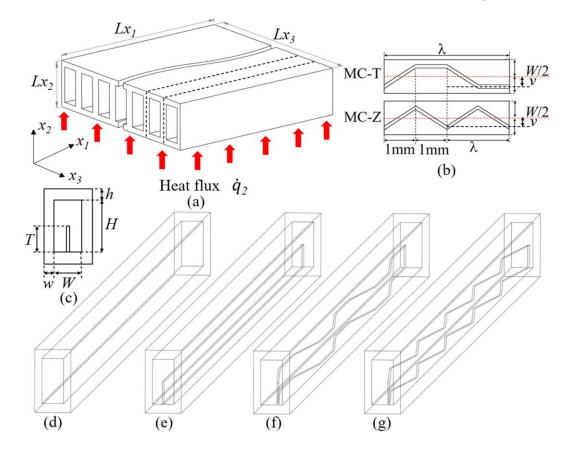
Dr Aldo Rona

Aerodynamic noise	Turbomachinery aerodynamics	Computational Fluid Dynamics
Jet noise	Axial turbines	Computational Aero-acoustics
Cavity flows	Axial compressors	Measurement techniques for compressible flows

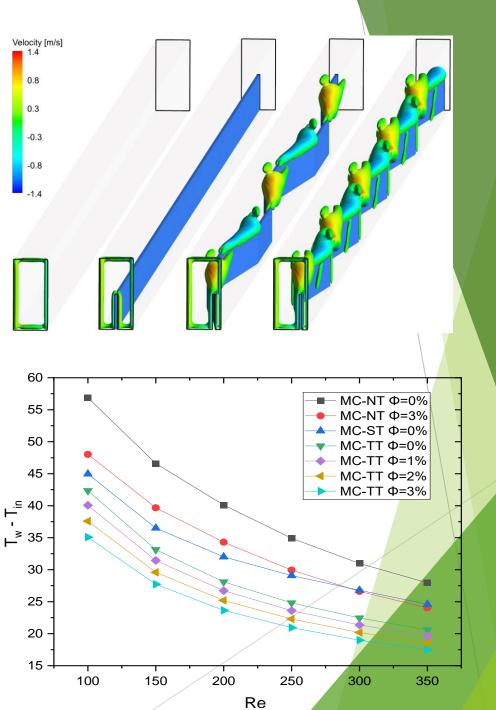




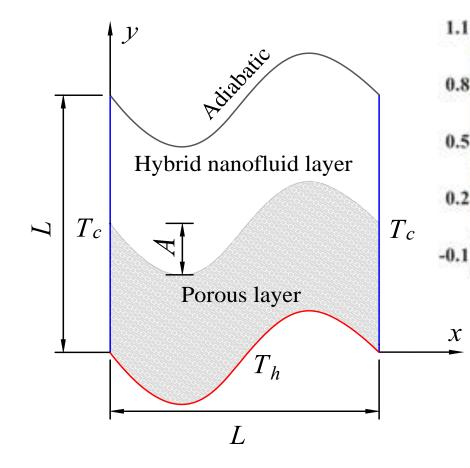
Microchannel cooling



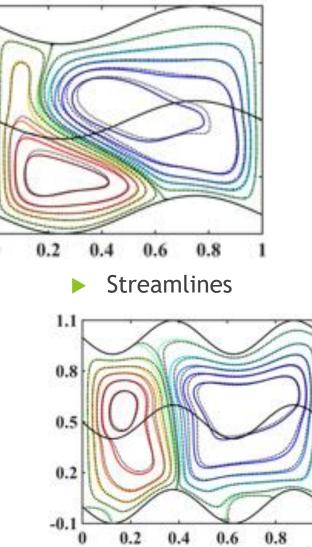
Nanofluid heat transfer enhancement

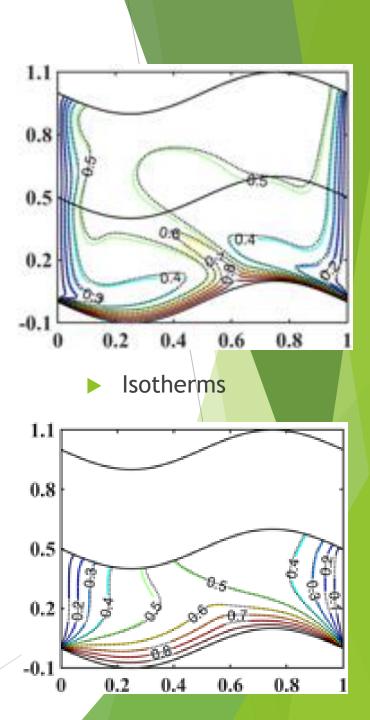


Hybrid nanofluid in porous media



Nanofluid heat transfer enhancement





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