

Objective

CHT-12 will be jointly sponsored by ICHMT, the University of Bath and the University of New South Wales, Australia. It will be held as a tribute to the memory of the late Professor Eddie Leonardi, co-founder of this series of CHT symposia, who was a former Chair of the Executive Committee of ICHMT, and a former Director of the CFD Research Laboratory of UNSW. It will be a recognition of his innumerable contributions to computational fluid dynamics and heat transfer.

The goal of the symposium is to provide a forum for the exchange of ideas, methods and results in computational heat transfer. Papers on all aspects of CHT – both fundamental and applied – will be welcome. Topics will include but are not limited to:

Biological heat transfer

Micro and nanoscale heat transfer

Boundary layer flow and heat transfer Radiative heat transfer Combustion, fire modelling Single/multiphase flow and heat transfer Computational methods Solidification and melting Double diffusive convection Turbulent heat transfer Energy Turbulence modelling Internal flow and heat transfer Verification and Validation Materials processing