Multiscale modelling of boiling flows

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Abstract:

Details coming soon.

Bio:

Omar Matar (OKM), FAPS, FIChemE is Vice-Dean of Engineering at Imperial College and RAEng/PETRONAS Research Chair in Multiphase Fluid Dynamics. His research interests are in multiphase flows, analytical techniques, numerical modelling, and data-centric methods with applications in oil-and-gas, fast-moving consumer good, and manufacturing. He has published over 245 refereed papers with over 7000 citations and an h-index of 46 (GS). He is co-Editor-in-Chief of J. Eng. Math., and received >£35M in funding from EPSRC, and industry including the £5M EPSRC Programme Grant, MEMPHIS (http://www.memphis-multiphase.org/), to develop predictive tools for multiphase flows. OKM is also the Director of Transient Multiphase Flows (TMF, http://www.tmf-consortium.org) consortium on flow assurance, and Deputy-Director of an EPSRC CDT in Fluid Dynamics across Scales (http://www3.imperial.ac.uk/fluidscdt).