

Keynote Speakers

- Dr. Rachid Bennacer , LMT, Ecole Normale Supérieure - Cachan, Paris, France. rachid.bennacer@dgc.ens-cachan.fr

• Unstable Anisothermal Multicomponent Convective Flow: from Small to Large Scales •

- Professor Ivan Catton, Department of Mechanical and Aerospace Engineering, UCLA, USA. catton@ucla.edu

"The Use Of Volume Averaging Theory To Address Heat Transfer Within Engineered Heterogeneous Hierarchical Structures"

- Professor John Chai, The Petroleum Institute, Abu Dhabi. jchai@pi.ac.ae

• Level-Set Method for Multiphase Flows •

- Professor Vijay K. Dhir, Dean, UCLA Henry Samueli School of Engineering and Applied Science, USA. engrdean@ea.ucla.edu

• Bubble Dynamics during Pool Boiling under Microgravity Conditions •

- Dr. Leonid A. Dombrovsky, Joint Institute for High Temperatures, Russian Academy of Sciences, Russia. ldombr@yandex.ru

• The Use of Transport Approximation and Diffusion-Based Models in Radiative Transfer Calculations •

- Dr. Akshai K. Runchal, ACRI - CFD Virtual Reality Institute, Dharamsala, Himachal Pradesh, India runchal@acricfd.com

• The future of CFD and the CFD of the future •

- Professor Brian Spalding, Concentration Heat & Momentum (CHAM) Limited, Wimbledon Village, London, England BrianSpalding@cham.co.uk

• A Role for Computational Heat Transfer in Engineering Education •

- Professor Sergei Sazhin, School of Computing, Engineering and Mathematics, University of Brighton, UK. S.Sazhin@brighton.ac.uk

• Droplet Heating and Evaporation- Recent Results and Unsolved Problems •

- Dr. Victoria Timchenko, School of Mechanical and Manufacturing Engineering, The University of NSW, Australia. v.timchenko@unsw.edu.au

"Laser Induced Hyperthermia of Surface Tumours: A Transient Thermal Model for Indirect Heating Strategy"

- Professor Paul G. Tucker, Whittle Laboratory, Cambridge University, UK. pgt23@cam.ac.uk

• LES in Aerospace and Energy •

- Professor Li-zhi Zhang, Key Laboratory of Enhanced Heat Transfer and Energy Conservation,
South China University of Technology, China.     lzzhang@scut.edu.cn

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- Special Guest Lecture Dr. Avram Bar-Cohen, DARPA - Microsystems Technology Office (MTO), Arlington, Va, USA
abc@darpa.mil   Co-Design of Emerging Electronic Components   Challenges and Opportunities  