

**From:** László Könözsy, Cranfield University

**Subject:** Multiscale and Non-continuum Flows SIG Meeting #4

This is an update on the 4th meeting of the "Multiscale and Non-Continuum Flows" SIG, which I will host at Cranfield University on 3rd October 2018. In this meeting, we want to focus on industrial needs and interests as well as continue looking for new collaboration opportunities.

#### Location

Aerospace Integrated Research Centre 320 Building (AIRC 320 Building), further information may be found via the link <https://tinyurl.com/cranfield-campus-info>

#### Final Programme

10:00 - 10:30 Arrival, coffee

10:30 - 11:15 Alexander Vikhansky, CD-adapco, "Combined CFD-Population Balance Modelling of Multiphase Flows"

11:15 - 12:00 Sergey Karabasov, Queen Mary University of London, "A Generalised Landau-Lifshitz Fluctuating Hydrodynamics Model for Concurrent Simulations of Liquids at Atomistic and Continuum Resolution"

12:00 - 12:30 Coffee and round table discussions on unsolved problems in conjunction with multiscale and non-continuum flows

12:30 - 13:45 Lunch

13:45 - 14:30 Anirudh Rana, University of Warwick, "Macroscopic Models for Multiphase Flow and Phase-Change Heat Transfer"

14:30 - 15:15 László Könözsy, Cranfield University, "An Overview on the Recent Development of an in-house Lattice Boltzmann Solver for Multiphase Flow Applications at Cranfield University"

15:15 - 15:45 Coffee and round table discussions on industry-related research subjects relevant to multiscale and non-continuum flows

15:45 - 16:00 Concluding discussion

16:00 Close

Please contact László Könözsy ([laszlo.konozsy@cranfield.ac.uk](mailto:laszlo.konozsy@cranfield.ac.uk)) for more information.