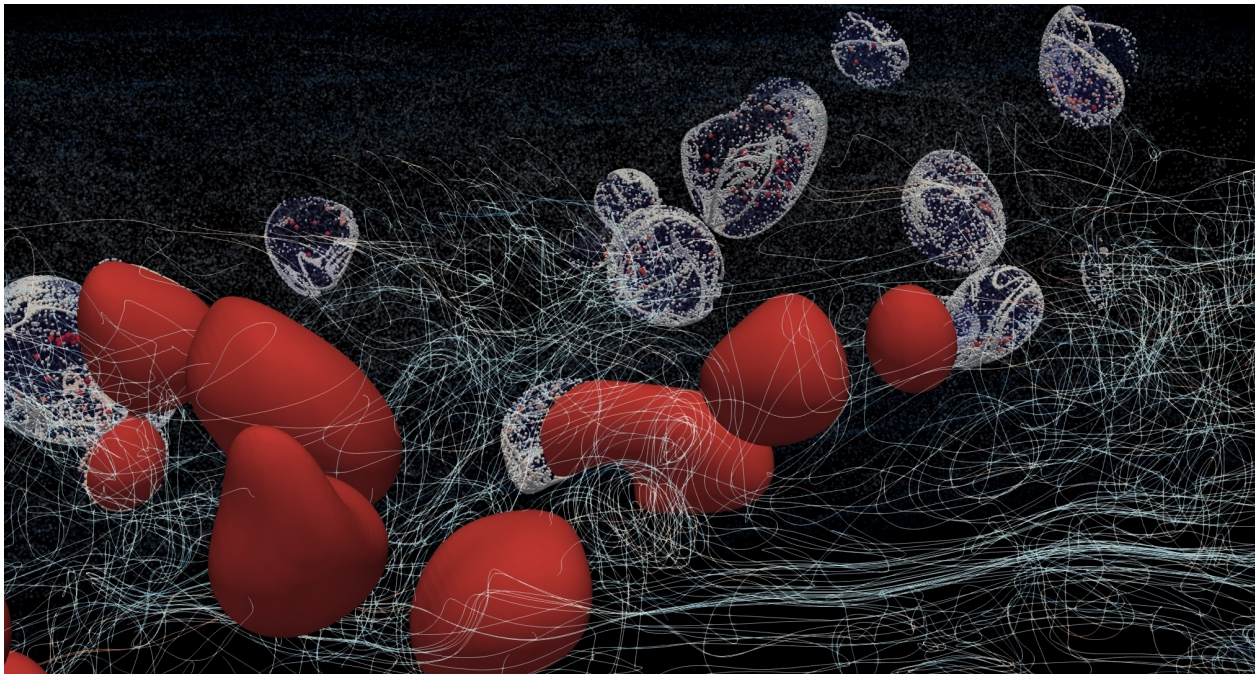


1st Training School on

Direct numerical simulation of solid particles, droplets and bubbles in turbulence



DNS of turbulent three-phase (liquid-liquid-solid) flow

February 11-13, 2020 – TU Wien (Austria)
Institute of Fluid Mechanics and Heat Transfer
Tower BA, 7th floor, Getreidemarkt 9, 1060 Vienna



MSCA-ITN-EID COMETE 813948



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Agenda

Tuesday, February 11, 2020

16:30-16:45 Get together
16:45-17:30 Lab visit

Wednesday, February 12, 2020

9:30-11:00 Introduction to the numerical simulation of multiphase turbulent flows
(speaker: Prof. A. Soldati, TU Wien)
11:00-11:30 Break
11:30-13:00 Simulation approaches to HPC of multiphase turbulent flows
(speaker: Prof. C. Marchioli, Univ. Udine)
13:00-14:00 Lunch break
14:00-15:30 Interface capturing/tracking techniques: high-performance computation and physics of turbulent flows with interfaces
(speaker: Dr. F. Zonta TU Wien)
15:30-16:00 Break
16:00-17:30 Collective particle/drop/bubble dynamics in turbulent flows
(speaker: Prof. C. Marchioli, Univ. Udine)

Thursday, February 13, 2020

9:00-11:00 Hands-on computer session
(coordinator: Dr. A. Roccon, TU Wien)
11:00-11:30 Break
11:30-13:00 ESR project discussion
(coordinator: Prof. C. Marchioli, Univ. Udine)
13:00-13:10 Closing

