

HOW MUCH DO WE KNOW AND HOW MUCH WE DON'T KNOW ABOUT THE COVID 19 FLOW PHYSICS

Zoom : [link](#)

ID: 929 2858 0669 Code : 716481



10:00 – 11:00 **Host-to-Host Airborne Transmission as a Multiphase Flow; DNS and Models**
Professor Alfredo SOLDATI (Institute of Fluid Mechanics and Heat Transfer, TU Wien)



and
Professor Francesco PICANO
(Dpt of Industrial Engineering, University of Padova, Padova)



11:00 -12:00 **On atomization process of human cough and sneezing**
Professor Stephane ZALESKI (Sorbonne University, Institute d'Alembert)



14:00 – 15:00 **COVID-19 airborne transmission physics**
Professor Rajat MITTAL (Dpt of Mechanical Engineering, Johns Hopkins University)



15:00 – 15:30 **Investigation of the flow-mask interaction: a simple model development**
Senior scientist Christophe JOSSERAND (LadHyX, CNRS & Ecole Polytechnique)



15:30 – 16:00 **High Fidelity Simulation of COVID-19 transmission through droplets and aerosols in realistic conditions**

Professor Yves DUBIEF (Dpt of Mechanical Engineering, University of Vermont)
in collaboration with LEGI (Grenoble), CORIA (Rouen), IMAG (Montpellier) and Safran Tech
(Magny-Les-Hameaux)

Zoom-Meeting Convenors

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