

LEEDS INSTITUTE FOR FLUID DYNAMICS

Online Spring Colloquium | 29th April 2020

Professor Yiannis Ventikos

Kennedy Professor of Mechanical Engineering, UCL



Transport Phenomena for Brain Biomechanics and Related Healthcare Challenges: Computational Modelling

Abstract: Transport phenomena, of nutrients, oxygen and metabolites, play a central role in life as we know it and, consequently, in a multitude of diseases. In this talk we shall discuss research pertaining to three scales of transport – molecular, tissue and organ level. Using appropriate computational techniques we shall examine ways to describe the interplay between the liquid media and the conduits and passages they travel through, as well as ways to design devices to address healthcare needs emerging from problems in this transport.

Time: 15:00-16:00 BST

Venue and cost: Online lecture with University of Leeds, FREE

Tickets: [Eventbrite](#)

Free registration deadline: 23rd April 2020