Harald Van Brummelen, Eindhoven University of Technology, Netherlands

Talk title	Recent advances in computational elasto-capillary fluid-solid
	interaction
Biography	Harald van Brummelen is Full Professor and group leader of the
	Multiscale Engineering Fluid Dynamics Group at Eindhoven University
	of Technology (TU/e) in the Netherlands. His research focuses on the
	development, analysis and application of mathematical-physical
	models and advanced numerical techniques for multiscale flow
	problems in engineering applications, with particular emphasis on
	interface and free-boundary problems, coupled problems, and
	transitional molecular/continuum flows. His work mostly
	concentrates on high-tech applications such as semi-conductor
	lithography and inkjet printing. Van Brummelen's research interests
	span a broad range of topics in Computational Science and
	Engineering, including multiscale problems and techniques; coupled
	problems; fluid-structure interaction; free-boundary and interface
	problems; phase-field models; isogeometric analysis; immersed
	methods; kinetic models and the Boltzmann equation; moment-
	closure approximations; reduced-order modeling; and error
	estimation and adaptivity. Prof. Van Brummelen is the scientific
	director of the Dutch national research school on Engineering
	Mechanics, and Secretary General of the European Community on
	Computational Methods in Applied Sciences (ECCOMAS). He is a
	recipient of the JL. Lions Award and the Bill Morton prize, and
	various other grants and awards. Prof. van Brummelen is an associate
	editor of Computer Methods in Applied Mechanics and Engineering.