8:45-9:00		*Š. Nečasová – Workshop opening*
9:00-9:30		J.S. Simon - Long-time behavior of shape optimization solutions for the Navier-Stokes equations via a phase-field method
9:30-10:00		F. Oschmann - Quantitative derivation of Darcy's law for some non-Newtonian fluids
10:00-10:30	*Break*	
10:30-11:00		B. Jin - A mathematical perspective on fluid-structure operators under Navier slip conditions
11:00-11:30		K. Bhandari - A compressible MHD flow interacting with thermoelastic structure
11:30-12:00		M. Caggio - Some observations on second-order models for stably stratified turbulence
12:00-14:00	*Lunch*	
14:00-14:30		A. Lancmanová - Numerical simulation of axial blood pumps: Challenges and rotation modelling approaches
14:30-14:50		A. Parmar - Fractional regularity for scalar conservation laws with discontinuous flux
14:50-15:10		T. Eiter - On a compatibility condition for oscillating flow past a rotating body
15:10-15:30		M. Bravin - Global well-posedness for the non-homogeneous Euler equations in presence of Ekman pumping
15:30-15:50		P. Su - On the motion of a rigid body in a perfect compressible fluid
15:50-16:10		I. Djebour - Maximal regularity for a compressible fluid-structure interaction system with Navier slip boundary conditions
16:10-16:30		A.P. Di Feola - An attempt at energy equality for weak solutions to non-Newtonian viscous fluids in the shear thinning case
16:30-17:00	*Break*	
17:00-17:20		M.M. Karakouzian - On the vibration-induced propulsion of a rigid body in a viscous liquid
17:20-17:40		V. Pane - Weigthed estimates for the Stokes semigroup in the half-space
17:40-18:00		F. Palma - The motion of a rigid body in a viscous fluid: new results for strong solutions, uniqueness and integrability properties