Parallel Session 12   Wednesday, July 4, 16:00PM-18:30PM

Special Session **77**	**The Navier-Stokes Equations and Related Problems** Organizer(s): Sarka Necasova, Reimund Rautmann, Werner Varnhorn	Location **REH-3**
16:00-16:30	**NEW TIME:** Parallel Session 15, SS 7, Thursday, 16:30-17:00 Sarka Necasova (Mathematical Institute, Czech Rep) Weak solutions for the motion of a self-propelled deformable structure in a viscius incompressible fluid	Abstracts p. 288
16:00-16:30	Ondrej Kreml (Institute of Mathematics, Academy of Sciences of the Czech Rep., Czech Rep) On the steady equations for compressible radiative gas	Abstracts p. 288
16:30-17:00	Reimund R Rautmann (University of Paderborn, Germany) Hopf-Galerkin Approach to Vorticity Transport & Diffusion.	Abstracts p. 288
17:00-17:30	Werner Varnhorn (Institute of Mathematics, Kassel University, Germany) Extensions of Serrin's condition for weak solutions of the Navier-Stokes equations	Abstracts p. 290
17:30-18:00	Tomasz Piasecki (University of Warsaw, Poland) On a stationary compressible flow with slip - inflow boundary conditions	Abstracts p. 288