



# WASCOM XXI

Thursday, June 9, afternoon, Hotel Nettuno

Session in honour of Giuseppe Mulone's birthday  
Chairman: Antonio Barletta

**15.00** *Nonlinear stability, some results of Giuseppe Mulone*  
**Andrea Giacobbe**

**15.15** *The Extended Thermodynamics: Applications for static and dynamic high-field transport in solid state physics.*  
**Massimo Trovato**

**15.45** *Stability of Bingham–Poiseuille flows in an inclined channel*  
**Paolo Falsaperla**

**16.00** *Stability of Hartmann shear flows in an open inclined channel*  
**Carla Perrone**

**16.15** *Direct approach to approximate conservation laws*  
**Matteo Gorgone**

**16.30** **Coffe Break**

Chairman: Massimo Trovato

**17.00** *Operatorial models for cooperation and competition in spatially distributed populations*  
**Franco Oliveri**

**17.30** *Temperature induced fragile vs ductile transition in cellular adhesion*  
**Giuseppe Florio**

**17.45** *The weakly nonlinear Sutton problem: the transition between the Darcy–Bénard problem and the Wooding problem*  
**Jacopo Alfonso Gianfrani**

**18.00** *Modeling of biofouling formation in microfiltration*  
**Vincenzo Luongo**

**18.15** *The analysis of the onset of thermal convection in bi-disperse porous media*  
**Giuliana Massa**

**20:00** **Social dinner**