Trieste, June 13-14, 2005

Fourth meeting on Hyperbolic Conservation Laws: Recent results and Research perspectives

Program

Monday June 13, afternoon. Chairman: Rinaldo M. Colombo (University of Brescia)

15:15 Opening

15:30-16:25 Alberto Bressan (SISSA-ISAS, Trieste): *New aspects of nonlinear wave equations*

16:30-16:55 H. Kristian Jenssen (North Carolina State University): *1-D systems of conservation laws with prescribed eigen-structure*

17:00-17:30 Coffee Break

17:30-17:55 Paolo Baiti (University of Udine): *Instability of finite difference schemes for hyperbolic conservation laws*

18:00-18:25 Laura V. Spinolo (SISSA-ISAS, Trieste): *Vanishing viscosity solutions of a hyperbolic system with conditions on two boundaries*

18:30-18:55 Corrado Mascia (University of Rome "La Sapienza"): *Shock profiles for a class of hyperbolic-elliptic systems*

20:15 Social Dinner

Tuesday June 14, morning. Chairman: Stefano Bianchini (SISSA-ISAS, Trieste)

9:00-9:25 Corrado Lattanzio (University of L'Aquila): *Stress relaxation for viscoelasticity with memory*

9:30-9:55 Debora Amadori (University of L'Aquila): *On the homogeneization of conservation laws with oscillatory source*

10:00-10:25 Fabio Priuli (SISSA-ISAS, Trieste): *Infinite horizon noncooperative differential games*

10:30-11:00 Coffee Break

11:00-11:55 Clement Mouhot (ENS Lyon): *Some regularity and stability results for the Boltzmann equation*

12:00-12:25 Camillo DeLellis (University of Zurich): *Oscillatory solutions to transport equations*

Tuesday June 14, afternoon. Chairman: Alberto Bressan (Penn State University)

14:30-14:55   Massimo Fonte (SISSA-ISAS, Trieste): *An optimal transportation metric for solutions of the Camassa-Holm equation*

15:00-15:25   Mauro Garavello (University of Milano "Bicocca"): *Obstructions for steady-states controllability for the Saint-Venant equations*

15:30-15:55 Giuseppe M. Coclite (University of Bari): *On a generalized hyperelastic-rod wave equation*

16:00-17:00 Free discussion. Chairman: Piero Marcati (University of L'Aquila)