

Convegno su "**Modellizzazione Matematica ed Analisi dei Problemi a Frontiera Libera**"
Montecatini, 29-30 settembre 2005

GIOVEDI' 29.09.2005

14.55 Introduzione

15.00-15.40 Sandro SALSA: Regularity in free boundary problems

15.40-16.00 Giulio SCHIMPERNA (PV): On a nonlocal parabolic-hyperbolic phase field model

16.00-16.20 Antonio SEGATTI (PV): Some remarks on the hyperbolic relaxation of the Cahn-Hilliard equation

+ 10 minuti discussione

16,30-17.00 caffè

17.00-17.40 Alain MIRANVILLE: Convergence to equilibria for Cahn-Hilliard models

17.40-18.00 Angiolo FARINA (FI): Bingham fluids with visco-elastic core, I

18.00-18.20 Lorenzo FUSI (FI): Bingham fluids with visco-elastic core, II

18.20-18.40 Marco VENERONI (PV): Reaction-diffusion systems modeling the cardiac electric field

+ 10 minuti discussione

18.50 RIUNIONE

VENERDI' 30.09.2005

9.00-9.20 Ugo GIANAZZA (PV): Triangle of thoughts: PDE's, quasiminima, De Giorgi classes

9.20-9.40 Vittorino PATA (MI): Stability in linear viscoelasticity

9.40-10.00 Giovanna BONFANTI (BS): Well-posedness results for a contact problem with adhesion

10.00-10.20 Marco SQUASSINA (MI): Global solutions and blow-up in finite time for damped semilinear wave equations

+ 10 minuti discussione

10.30-11.00 caffè

11.00-11.20 Michela ELEUTERI (TN): On some PDE's with hysteresis.

11.20-11.40 Fabio BAGAGIOLO (TN): Automatic control with hysteresis for a filtration problem

11.40-12.00 Gianluca MOLA (MI): The conserved phase-field system with a Gurtin-Pipkin type heat conduction law

12.00-12.20 Riccarda ROSSI (PV): Existence and uniqueness results for a class of rate-independent problems

+ 10 minuti discussione

12.30 LUNCH

14.30-15.10 Mario PRIMICERIO: Some free boundary problems in oil industry

15.10-15.30 Maura UGHI (TS): Diffusion of isotopes pairs

15.30-15.50 Daniele ANDREUCCI (RM): Isotropic and anisotropic propagation of support in degenerate parabolic equations with convection

15.50-16.10 Alberto MANCINI (FI): A mathematical model for frying processes

+ 10 minuti discussione