International Conference: Mathematical Analysis of Nonlinear Partial Differential Equations

November 13–15, 2013

Kyushu University Nishijin Plaza, Fukuoka, Japan

Organizing Committee

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Yoshihiro Ueda (*Kobe University*)

Program

November 13 (Wednesday)

10:00∼10:50 Tai-Ping Liu (*Academia Sinica, Taiwan; Stanford University*)
Shock Waves for Kawashima Systems

11:00∼11:50 Tatsuo Iguchi (*Keio University*)
On the thin film approximation for the flow of a viscous incompressible fluid down an inclined plane

14:00∼14:50 Wen-An Yong (*Tsinghua University*)
Newtonian limit of Maxwell fluid flows

15:00∼15:50 Takayuki Kobayashi (*Saga University*)
L^2 boundedness of the solutions to the 2D Hyperbolic Navier-Stokes equations

16:10∼17:00 Hideo Kozono (*Waseda University*)
Leray's problem on D-solutions to the stationary Navier–Stokes equations past an obstacle

November 14 (Thursday)

10:00∼10:50 Reinhard Racke (*University of Konstanz*)
Formation of singularities in one-dimensional thermoelasticity with second sound

11:00∼11:50 Takayoshi Ogawa (*Tohoku University*)
Maximal L^1 regularity and application to the Cauchy problem of compressible Navier–Stokes–Poisson system in critical space

14:00∼14:50 Zhouping Xin (*The Chinese University of Hong Kong*)
On the global existence and asymptotic behavior of solutions to the multi-dimensional compressible Navier-Stokes system in the presence of vacuum

15:00∼15:50 Peicheng Zhu (*University of the Basque Country; IKERBASQUE Foundation for Science*)
New Phase-Field Models for Solid-Solid Phase Transitions Driven by Material Forces

16:10∼17:00 Akitaka Matsumura (*Osaka University*)
Large-time behavior of solutions for a one-dimensional system of non-viscous and heat-conductive ideal gas

18:30∼ Banquet at Nishitetsu Grand Hotel "Ho-oh (鳳凰の間)"

November 15 (Friday)

10:00∼10:50 Jaime E. Muñoz Rivera (*Federal University of Rio de Janeiro*)
The lack of exponential stability to N-dimensional transmission problem with localized Kelvin Voigt dissipation

11:00∼11:50 Taku Yanagisawa (*Nara Women's University*)
On the solvability of boundary value problems for the stationary MHD equations with inhomogeneous boundary conditions

14:00∼14:50 Enrique Zuazua (*BCAM & Ikerbasque*)
Control and numerical simulation in large time horizons

15:00∼15:50 Kazuhiro Kurata (*Tokyo Metropolitan University*)
A remark on an optimal configuration of the limiting problem to a one dimensional phase separation problem

Sponsors

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