The 38th Sapporo Symposium on Partial Differential Equations

Date : August 21 - 23, 2013
Venue: Room 203, Faculty of Science Building #5, Hokkaido University
URL：http://www.math.sci.hokudai.ac.jp/sympo/sapporo/program130821_en.html

August 21 （Wed.）

09:30 - 09:40　　Opening

09:40 - 10:40　　Shu Nakamura （The University of Tokyo）
　Application of phase space analysis to the scattering theory for continuous and discrete Schrödinger equations

10:40 - 11:10　　＊

11:10 - 12:10　　Jaeyoung Byeon （Korea Advanced Institute of Science and Technology）
　Phase transition solutions to an Allen-Cahn model equation

14:00 - 14:30　　＊

14:30 - 15:00　　Tetsuya Ishiwata （Shibaura Institute of Technology）
　Structure-preserving finite difference scheme for some sphere-valued partial differential equations

15:20 - 15:50　　Sachiko Ishida （Tokyo University of Science)
　Boundedness in degenerate Keller-Segel systems of parabolic-parabolic type

16:00 - 16:30　　Shuji Yoshikawa （Ehime University）
　An error estimate of conservative finite difference scheme for the Boussinesq type equations

16:30 - 17:00　　＊

August 22 （Thu.）

09:30 - 10:30　　Thomas Sideris （University of California, Santa Barbara）
　Existence of solutions for isotropic elastodynamics

10:30 - 11:00 ＊

11:00 - 12:00　　Seiro Omata (Kanazawa University)
　Mathematical modeling and numerical treatment of adhesion, exfoliation and collision

14:00 - 14:30　　＊

14:30 - 15:00　　Ken Shirakawa (Chiba University)
　Phase field systems of grain boundaries with solidification effects

15:10 - 15:40　　Takamori Kato （Nagoya University）
　A cancellation property and the well-posedness for the periodic KdV equations

15:40 - 16:00　　＊

16:00 - 16:30　　Ken Abe （The University of Tokyo）
　Resolvent estimates for the Stokes equations in spaces of bounded functions

16:40 - 17:10　　Kyohei Wakasa （Hokkaido University）
　Global existence for semilinear wave equations with the blow-up term in high dimensions

17:10 - 17:30 ＊

18:00 - 20:00　　Reception at Faculty House Trillium (Enreiso)

August 23 （Fri.）

09:30 - 10:30 Giandomenico Orlandi （The University of Verona）
　Time-like minimal surfaces in Minkowski space

10:30 - 11:00 ＊

11:00 - 12:00　　Takayoshi Ogawa （Tohoku University）
　L^1 maximal regularity and local existence of a solution to the compressible Navier-Stokes-Poisson system in a critical Besov space

12:00 - 12:30　　＊

＊　Free discussion with speakers in the tea room