The 32nd Kyushu Symposium on Partial Differential Equations

DATE: January 28 – January 30, 2015
VENUE: Kyushu University Nishijin Plaza

PROGRAM

January 28 (Wednesday)

13:30 – 14:20   Hiroshi Matano (The University of Tokyo)
                       Stability of planar waves in a bidomain model

14:30 – 15:20   Cyrill Muratov (New Jersey Institute of Technology)
                       Asymptotic properties of ground states of scalar field equations with
                       vanishing parameter

15:40 – 16:30   Tristan Roy (Nagoya University)
                       Radial solutions of supercritical wave equations in dimension 3

16:40 – 17:30   Hironobu Sasaki (Chiba University)
                       Remark on the scattering operator for the cubic nonlinear Dirac equation
                       in three space dimensions

January 29 (Thursday)

10:00 – 10:50   Masato Kimura (Kanazawa University)
                       Unidirectional evolution equation of diffusion type and application to a
                       crack propagation model

11:00 – 11:50   Takeyuki Nagasawa (Saitama University)
                       Decomposition of the Möbius energy and its consequences

14:00 – 14:50   Ondřej Kreml (Academy of Sciences of the Czech Republic)
                       Nonuniqueness of weak solutions to the Riemann problem for compress-
                       ible Euler equations in 2D

15:00 – 15:50   Masashi Aiki (Tokyo University of Science)
                       Motion of a vortex filament in an external flow

16:10 – 17:00   Hideo Kozono (Waseda University)
                       Stability of large solutions to the stationary Navier-Stokes equations in
                       3D multi-connected domains

Banquet

January 30 (Friday)

10:00 – 10:50   Hideaki Sunagawa (Osaka University)
        Agemi-type structural condition for systems of nonlinear wave equations

11:00 – 11:50   Takeshi Wada (Shimane University)
        Modified Strichartz estimates and applications to nonlinear problems

14:00 – 14:50   Yoshihito Kohsaka (Kobe University)
        Stability analysis of stationary surfaces for surface diffusion equation

15:00 – 15:50   Masato Iida (University of Miyazaki)
        Vanishing, moving and immovable interfaces in fast reaction limits

16:10 – 17:00   Takasi Senba (Kyushu Institute of Technology)
        Some properties of radial stationary solutions to a parabolic-elliptic system related to biology

ORGANIZERS:

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