

# The 35th Kyushu Symposium on Partial Differential Equations

DATE: January 29 – January 31, 2018

VENUE: Kyushu University Nishijin Plaza

<http://nishijinplaza.kyushu-u.ac.jp/english/index.php>

## PROGRAM

January 29 (Monday)

- 13:30 – 14:20 Daoyuan Fang (Zhejiang University)  
Several results on Boussinesq type equations
- 14:30 – 15:20 Nakao Hayashi (Osaka University)  
Scattering operator for the fourth order nonlinear Schrödinger equation
- 15:40 – 16:30 Shigeaki Koike (Tohoku University)  
Recent development on  $L^p$  viscosity solutions for fully nonlinear parabolic PDE
- 16:40 – 17:30 Tetsutaro Shibata (Hiroshima University)  
Oscillatory bifurcation for semilinear ordinary differential equations

January 30 (Tuesday)

- 10:00 – 10:50 Kentarou Fujie (Tokyo University of Science)  
No critical nonlinear diffusion in 1D quasilinear Keller–Segel system
- 11:00 – 11:50 Makoto Nakamura (Yamagata University)  
Dissipative effects on several partial differential equations in uniform and isotropic spaces
- 14:00 – 14:50 Reinhard Racke (University of Konstanz)  
The Cauchy problem for nonlinear thermoelastic plates
- 15:00 – 15:50 Myoungjean Bae (POSTECH)  
Potential flow and transonic shocks
- 16:10 – 17:00 Peicheng Zhu (Shanghai University)  
Asymptotics towards a nonlinear wave for an out-flow problem of a model of viscous ions motion

Banquet

January 31 (Wednesday)

- 10:00 – 10:50 Naoki Shioji (Yokohama National University)  
Total  $p$ -powered curvature of closed curves in  $S^2(G)$
- 11:00 – 11:50 Yoshihiro Ueda (Kobe University)  
Recent progress in the stability analysis for the hyperbolic system with relaxation
- 14:00 – 14:50 Yasunori Maekawa (Kyoto University)  
On stability of some nearly inviscid flows
- 15:00 – 15:50 Taku Yanagisawa (Nara Women's University)  
Characterizations of the spaces of harmonic vector fields over exterior domains

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