

# The 34th Kyushu Symposium on Partial Differential Equations

DATE: January 30 – February 1, 2017

VENUE: Kyushu University Nishijin Plaza

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

## PROGRAM

January 30 (Monday)

- 13:30 – 14:20 Tohru Nakamura (Kumamoto University)  
Asymptotic stability of stationary waves for symmetric hyperbolic-parabolic systems in half line
- 14:30 – 15:20 Chunjing Xie (Shanghai Jiao Tong University)  
Steady subsonic Euler flows with physical boundaries
- 15:40 – 16:30 Hung-Wen Kuo (National Cheng Kung University)  
Equilibrating effect of boundary in kinetic theory
- 16:40 – 17:30 Takayoshi Ogawa (Tohoku University)  
Global behavior of solution to drift-diffusion system in higher dimensions

January 31 (Tuesday)

- 10:00 – 10:50 Atsushi Nakayasu (University of Tokyo)  
Convexity preserving properties for Hamilton-Jacobi equations in geodesic spaces
- 11:00 – 11:50 Ken Abe (Kyoto University)  
Global well-posedness of the two-dimensional exterior Navier-Stokes equations for non-decaying data
- 14:00 – 14:50 Haruya Mizutani (Osaka University)  
Uniform Sobolev estimates for the resolvent of scaling-critical Schrödinger operators and applications
- 15:00 – 15:50 Jun-ichi Segata (Tohoku University)  
Scattering problem for the generalized Korteweg-de Vries equation
- 16:10 – 17:00 Hideo Takaoka (Hokkaido University)  
Energy transfer for the resonant derivative nonlinear Schrödinger equation on the torus

Banquet

February 1 (Wednesday)

- 10:00–10:50 Junichi Harada (Akita University)  
Type II blowup solutions for a semilinear parabolic system
- 11:00–11:50 Futoshi Takahashi (Osaka City University)  
Critical and subcritical fractional Trudinger-Moser type inequalities on  $\mathbb{R}$
- 14:00–14:50 Yuki Naito (Ehime University)  
Incomplete blow-up of solutions for semilinear heat equations with supercritical nonlinearity
- 15:00–15:50 Eiji Yanagida (Tokyo Institute of Technology)  
Extinction of solutions of the logarithmic diffusion equation

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