The 37th Kyushu Symposium on Partial Differential Equations

Date: January 27 – January 29, 2020 Venue: Kyushu University Nishijin Plaza

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

Program

January 27 (Monday)		
13:30 – 14:20	Eduard Feireisl (The Czech Academy of Sciences) Solving ill–posed problems: Mathematics and numerics	
14:30 – 15:20	Qing Liu (Fukuoka University) Parabolic Minkowski convolutions and concavity properties of viscosity solutions to fully nonlinear equations	
15:40 – 16:30	Nao Hamamuki (Hokkaido University) Two-dimensional nucleation in crystal growth and large time behavior of solutions	
16:40 – 17:30	Hideo Kubo (Hokkaido University) On the semilinear wave equation with lower order terms	
January 28 (Tuesday)		
10:00-10:50	Jan Brezina (Kyushu University) On the low stratification of the complete Euler system	
11:00 – 11:50	Jiang Xu (Nanjing University of Aeronautics and Astronautics) Fourier analysis methods and dissipative PDEs	
14:00 – 14:50	Nicola Visciglia (Università di Pisa) NLS: from the completely integrable to the general case	
15:00 – 15:50	Kotaro Tsugawa (Chuo University) Well-posedness and parabolic smoothing effect for higher order linear Schrödinger type equations on the torus	
16:10 – 17:00	Tohru Ozawa (Waseda University) Existence and Uniqueness of Classical Paths under Quadratic Potentials	
18:00 –	Banquet	

January 29 (Wednesday)

10:00 – 10:50	Masato Hoshino (Kyushu University) Iterated paraproducts and commutator estimates from a viewpoint of regularity structures
11:00 – 11:50	Junichi Harada (Akita University) Construction of blowup solutions for the energy critical heat equation in 5D and 6D
14:00 – 14:50	Takashi Kagaya (Kyushu University) Stability of traveling waves for an area preserving curvature flow with contact angle condition
15:00 – 15:50	Eiji Yanagida (Tokyo Institute of Technology) On the heat equation with a dynamic Hardy-type potential

This symposium is supported by

JSPS Grants-in-Aid for Scientific Research

Scientific Research (S) 19H05597 (T. Ogawa)

Scientific Research (B) 17H02851 (J. Segata)

Scientific Research (B) 18H01131 (S. Kawashima)

Scientific Research (B) 16H03947 (Y. Kagei)

Scientific Research (C) 18K03386 (T. Senba)

Fund for the Promotion of Joint International Research (Fostering Joint

International Research (B)) 18KK0073 (T. Ozawa)

Fund for the Promotion of Joint International Research (Fostering Joint

International Research (B)) 18KK0072 (S. Shimizu)

Waseda Research Institute for Science and Engineering Institute for Mathematical Science (S. Kawashima)

Top Global University Project, Waseda University Mathematics and Physics Unit (S. Kawashima)

ORGANIZERS:

Jun-Ichi Segata (Kyushu University)

Shuichi Kawashima (Waseda University)

Yoshiyuki Kagei (Tokyo Institute of Technology)

Naoki Yamada (Fukuoka University)

Takashi Senba (Fukuoka University)

Ryo Takada (Kyushu University)