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

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)