The 15th "Topics in Nonlinear Problems"

Date : September 12–14, 2019

Place : Room I-203, Faculty of Engineering Research Building I, Kurokami South Campus, Kumamoto University, Kurokami 2-39-1, Kumamoto, 860-8555 Japan
HP: https://ewww.kumamoto-u.ac.jp/en/about/access/campus/

Organizers :

Shuichi Kawashima (Waseda University)
Mari Okada (Yamaguchi University)
Masashi Misawa (Kumamoto University)
Takayuki Kobayashi (Osaka University)
Jun-ichi Segata (Kyushu University)

Local organizers :

Naoyasu Kita (Kumamoto University)
Yoshihisa Nakamura (Kumamoto University)

Program

September 12 (Thursday)

14:00 – 14:50 Mitsuharu Otani (Waseda University)

What is parabolicity ?

15:00 – 15:50 Shun Uchida (Oita University)

Right-differentiability of solution to some nonlinear abstract evolution equations with perturbation

16:10 – 17:00 Keiichi Kato (Tokyo University of Science)

Construction of solutions to Schrodinger equations via wave packet transform

September 13 (Friday)

10:00 – 10:50 Ken Shirakawa (Chiba University)

Mathematical approaches to Kobayashi–Warren–Carter type models of grain boundary motions

11:00 – 11:50 Itsuko Hashimoto (Kanazawa University)

Stability of the radially symmetric stationary wave of the Burgers equation with multi-dimensional initial perturbations in exterior domain

14:00 – 14:50 Kenji Nakanishi (Kyoto University)

Sharp threshold nonlinearity for maximizing the Trudinger-Moser inequality

15:00 – 15:50 Haruya Mizutani (Osaka University)

Existence of wave operators on Sobolev spaces

16:10 – 17:00 Nakao Hayashi (Osaka University)

Inhomogeneous Dirichlet-boundary value problem for nonlinear Schrödinger equations with a power nonlinearity on the upper half-plane

Banquet

September 14 (Saturday)

10:00 – 10:50 Takasi Senba (Fukuoka University)

Behavior of solutions to a system related to chemotaxis systems

11:00 – 11:50 Takeyuki Nagasawa (Saitama University)

Asymptotic analysis of non-local curvature flows for plane curves with general rotation number

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