

The Seventh "Topics in Nonlinear Problems"

Date : September 23 -25, 2011

Place : Room C122, Faculty of Science, Kumamoto University
<http://www.kumamoto-u.ac.jp>

Organizers :

Shuichi Kawashima (Kyushu University)

Mari Okada (Yamaguchi University)

Masashi Misawa (Kumamoto University)

Takayuki Kobayashi (Saga University)

Yoshiyuki Kagei (Kyushu University)

Yoshihisa Nakamura (Kumamoto University)

Program

September 23 (Friday)

14:00 – 14:50 Nicola Fusco (University of Napoli)

Stability and minimality for a nonlocal variational problem

15:00 – 15:50 Hiroshi Takeda (Fukuoka Institute of Technology)

Large time behavior of the solutions for the semilinear damped beam equation

16:10 – 17:00 Takashi Senba (Kyushu Institute of Technology)

Bounded and unbounded oscillating solutions to a parabolic-elliptic system related to biology

September 24 (Saturday)

10:00 – 10:50 Morimichi Umehara (Ibaraki University)

Global existence of the spherically symmetric motion of a self-gravitating viscous gas over the rigid core

11:00 – 11:50 Kohei Soga (Waseda University)

Stochastic and variational characterization of Lax-Friedrichs scheme

14:00 – 14:50 Mishio Kawashita (Hiroshima University)

Asymptotic behaviour of the resolvent and enclosure method for the heat equations in bounded domains with a cavity

15:00 – 15:50 Takeshi Wada (Kumamoto University)

Smoothing effects for Schrödinger equations with electro-magnetic potentials and applications to the Maxwell-Schrödinger Equations

16:10 – 17:00 Shigeru Sakaguchi (Hiroshima University)

Stationary level surfaces under low regularity assumption on the domain

Banquet

September 25 (Sunday)

10:00 – 10:50 Yuki Naito (Ehime University)

Stability and instability of self-similar solutions for semilinear heat equations

11:00 – 11:50 Tadayoshi Adachi (Kobe University)

Multidimensional inverse scattering in an external electric field asymptotically zero in time

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