RIMS Symposia (open)

Evolution Equations and Related Topics
– Quantitative Analysis and Abstract Structures –

Date: 28/Oct/2024 PM to 30/Oct/2024 AM
Venue: Maskawa Hall, Kyoto University
Web: https://sites.google.com/view/rims24evol

Organizer: Takeshi Fukao (Ryukoku University)

Program

28 Oct (Monday) 13:00 – 16:50

13:00 – 13:05 Opening

13:05 – 13:55 **Tatsu-Hiko Miura (Hirosaki University)**
Thin-film limit of the Ginzburg–Landau heat flow in a curved thin domain

14:00 – 14:50 **Keiichi Watanabe (Suwa University of Science)**
Global unique solution to the Keller–Segel–Navier–Stokes system with nonlinear boundary conditions

15:00 – 15:50 **Takahito Kashiwabara (The University of Tokyo)**
H^2-regularity for Bingham problems with perfect slip boundary condition

15:55 – 16:45 **Ulisse Stefanelli (University of Vienna)**
Gradient descent with general costs

29 Oct (Tuesday) 10:00 – 16:50

10:00 – 10:50 **Hayato Miyazaki (Kagawa University)**
Small data scattering for NLS without gauge-invariance below the Strauss exponent

10:55 – 11:45 **Jun-ichi Segata (Kyushu University)**
Scattering problem for the generalized Korteweg–de Vries equation

13:05 – 13:55 **Kosuke Kita (Tohoku University)**
On a weighted estimate of solutions to the damped wave equation and its application to Nakao's problem in 3D

14:00 – 14:50 **Pierluigi Colli (University of Pavia)**
First and second-order optimality conditions in the sparse optimal control of viscous Cahn–Hilliard systems

15:00 – 15:50 **Yuya Tanaka (Kwansei Gakuin University)**
A critical blow-up exponent in a three-dimensional chemotaxis-May–Nowak model

15:55 – 16:45 **Takasi Senba (Fukuoka University)**
Some properties of radial solutions to chemotaxis systems with nonlinear sensitivity functions

30 Oct (Wednesday) 10:00 – 11:50

10:00 – 10:50 **Yoshiho Akagawa (National Institute of Technology, Gifu College)**
Quasi-variational inequality with time-nonlocal dependence in elastoplasticity

10:55 – 11:45 **Masahiro Kubo (Wakayama University)**
Time-dependent subdifferential evolution equations and applications to quasi-subdifferential equations

11:45 – 11:50 Closing

Contact: fukao@math.ryukoku.ac.jp