[RIMS Symposia] Open Symposia "Qualitative Theory on Nonlinear Partial Differential Equations"

Date: November 27(Wed) – November 29(Fri), 2019
Place: Room 420, Research Institute for Mathematical Sciences (RIMS), Kyoto University
Organizers: Masaharu Taniguchi (Okayama Univ), Masahiko Shimojo (Okayama Univ of Science)

November 27 (Wed)

13:00–13:50 Yihong Du (University of New England)
Dynamics of a Fisher-KPP nonlocal diffusion model with free boundaries

14:00–14:50 Hiroyoshi Mitake (University of Tokyo)
On the generalized Dirichlet problem for graph mean curvature flow with driving force

15:00–15:50 Nara Mitsunori (Iwate University) *Asymptotic behavior of spreading fronts in the Allen-Cahn equations on* $\mathbb{R}^n$

November 28 (Thu)

09:30–10:20 Harunori Monobe (Okayama University)
On a fully nonlinear parabolic equation related to a groove profile in crystal grain regions

10:30–11:20 Xu-Jia Wang (Australian National University)
Optimal transport and applications

11:30–12:20 Naoyuki Koike (Tokyo University of Science)
Regularized mean curvature flow in a Hilbert space and its application to the gauge theory

14:00–14:50 Changfeng Gui (University of Texas at San Antonio, USA)
The sphere covering inequality and its applications

15:00–15:50 Yuki Kaneko (Japan Women's University)
Asymptotic behaviors of radially symmetric solutions to a free boundary problem with positive bistable nonlinearity

16:00–16:50 Hiroshi Matsuzawa (National Institute of Technology, Numazu College)
Asymptotic profiles of solutions and propagating terrace for free boundary problems of multistable reaction diffusion equations

18:00 Banquet

November 29 (Wed)

09:30–10:20 Takashi Teramoto (Asahikawa Medical University)
Localized solutions in a FitzHugh-Nagumo type model via an action functional approach

10:30–11:20 Hirokazu Ninomiya (Meiji University)
Global dynamics on one-dimensional excitable media

11:30–12:20 Yihong Du (University of New England)
The Fisher-KPP equation over simple graphs: Varied persistence states in river networks

See

`http://www.math.okayama-u.ac.jp/~taniguchi/rims2019/`

for the detailed information.