

Symposium at RIMS, Kyoto University
“Regularity and Asymptotic Analysis for Critical Phenomena of
Partial Differential Equations”

We would like to inform that we organise a symposium at Research Institute of Mathematical Science, Kyoto University in the following schedule.

Takayoshi Ogawa (Tohoku Univ.)
Masashi Misawa (Kumamoto Univ.)

Date & Time: 13:00 May 29 (Wed) 2019 - May 31(Fri) 15:50

Place: Room 420, 4th Floor, Research Inst. Math. Sci., Kyoto Univ.

Address:606-8502 Kita-shirakawaiwakemachi Sakyoku Kyoto

TEL:075-753-7206

Transportation:City Bus Stop at Kitashirakawa, 5min by walk.

Program

May 29 (Wed)

13:00-13:55 Futoshi Takahashi (Osaka City Univ.)

“A regularity result for the best constant function of the Sobolev embedding in BV”

14:05-15:00 Akitoshi Takayasu (Univ. Tsukuba)

“Global existence of a solution for the nonlinear heat equation in the complex plane of time”

15:20-15:50 Shota Sakamoto (Tohoku Univ. (JSPS PD))

“Unique existence of a solution to the Boltzmann equation near Maxwellian in the Wiener space”

16:00-16:55 Hiroshi Ohtsuka (Kanazawa Univ.)

“On the impulse response for solutions of two-dimensional Liouville type equations”

May 30 (Thu)

- 10:00-10:55 Takasi Senba (Fukuoka Univ.)
“Blowup of solutions to an indirect chemotaxis system”
- 11:05-12:00 Thomaz Cieslak (Inst. Math. Polish Acad. Sci.)
“One-dimensional critical fully parabolic Keller-Segel system”
- Lunch Break
- 13:45-14:40 Yohei Tsutsui (Shinshu Univ.)
“A sparse bound for a time-integral operator with wave propagator”
- 14:50-15:45 Satoshi Masaki (Osaka Univ.)
“Modified scattering for complex-valued solutions to Klein-Gordon equation with a gauge invariant quadratic nonlinearity”
- 16:00-16:55 Mitsuru Sugimoto (Nagoya Univ.)
“A specific construction of self-similar solutions for nonlinear wave equations”
- 18:30– Banquet

May 31 (Fri)

- 10:10-11:05 Yuu Hariya (Tohoku Univ.)
“A hypercontractive family of the Ornstein–Uhlenbeck semigroup and its connection with Φ -entropy inequalities”
- 11:15-12:10 Shuji Yoshikawa (Oita Univ.)
“Classification of asymptotic profiles for the Cauchy problem of damped beam equation with variable coefficients”
- Lunch Break
- 13:50-14:45 Miho Murata (Kanagawa Univ.)
“The global well-posedness for the compressible fluid model of Korteweg type”
- 14:55-15:50 Takaaki Nishida (Kyoto Univ.)
“Free surface problem on a horizontal domain for the Navier-Stokes equations”

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Contact:

T. Ogawa (RACMaS Tohoku University) Tel 022-795-6374, e-mail:ogawa@math.tohoku.ac.jp

M. Misawa (Fac. Science, Kumamoto University) Tel 096-342-3343, e-mail:mmisawa@kumamoto-u.ac.jp