

**Ito Workshop on Partial Differential Equations:**  
**KYUSHU UNIV.– POSTECH – SJTU Joint Workshop on**  
**PDEs and Related Topics**

日時 2018年8月23日(木) 9:30 ~ 24日(金) 17:40  
会場 九州大学 伊都キャンパス IMI オーディトリウム  
(ウエスト1号館4階 D-413)  
所在地: 福岡市西区元岡744番地, TEL: 092-802-4402

プログラム

8月23日(木)

- 9:30 ~ 10:00 Minseok Choi (POSTECH)  
Time-dependent Karhunen-Loeve type decomposition methods for SPDEs
- 10:00 ~ 10:30 Yue Cao (Shanghai Jiao Tong University)  
Local classical solution to full Navier-Stokes equations with vacuum and temperature-dependent heat-conductivity
- 10:50 ~ 11:20 可香谷 隆 (九州大学)  
On traveling waves for one-dimensional surface diffusion with contact angle condition
- 11:40 ~ 12:10 Hyung Ju Hwang (POSTECH)  
On dissipative kinetic equations
- 12:10 ~ 12:40 Beixiang Fang (Shanghai Jiao Tong University)  
On admissible locations of transonic shock-fronts for full Euler flows in an almost flat finite nozzle
- 14:10 ~ 14:40 関 行宏 (九州大学)  
On blow-up mechanisms in harmonic map heat flow
- 14:50 ~ 15:20 Youngae Lee (Kyungpook National University)  
On the global bifurcation diagram of mean field equations
- 15:30 ~ 16:00 Lei Ma (Shanghai Jiao Tong University)  
Existence and convergence rates of subsonic flows through an infinitely long nozzle with an obstacle inside

- 16:30 ~ 17:00 上田 好寛 (神戸大学)  
Characterization of the dissipative structure for the symmetric hyperbolic system with non-symmetric relaxation
- 17:10 ~ 17:40 津田 和幸 (大阪大学)  
Time decay estimate including diffusion wave property for solution to the compressible Navier-Stokes-Korteweg system
- 8月24日 (金)
- 9:30 ~ 10:00 Seungchan Ko (University of Oxford)  
Analysis and approximation of incompressible chemically reacting non-Newtonian fluids
- 10:00 ~ 10:30 Haitao Wang (Shanghai Jiao Tong University)  
Pointwise estimate of the solution of the linearized Boltzmann equation
- 10:50 ~ 11:20 前川 泰則 (京都大学)  
On two-dimensional flow around a fast rotating disk
- 11:40 ~ 12:10 Donghyun Lee (POSTECH)  
The Boltzmann equation in bounded domains
- 12:10 ~ 12:40 Xiongfeng Yang (Shanghai Jiao Tong University)  
Pointwise structure of a radiation hydrodynamic model in one-dimension
- 14:10 ~ 14:40 小野寺 有紹 (東京工業大学)  
Dynamical approach to Bernoulli's free boundary problem
- 14:50 ~ 15:20 Hyangdong Park (POSTECH)  
Contact discontinuities for compressible flows
- 15:30 ~ 16:00 Qin Zhao (Shanghai Jiao Tong University)  
Stabilization effect of frictions in three-dimensional steady compressible Euler flows
- 16:30 ~ 17:00 石垣 祐輔 (九州大学)  
Global existence of solutions of the compressible viscoelastic fluid around a parallel flow
- 17:10 ~ 17:40 高田 了 (九州大学)  
Strongly stratified limit for the 3D inviscid Boussinesq equations

本集会は以下の援助の下で開催されます。

日本学術振興会 科学研究費補助金

基盤研究 (S) 16H06339 (代表 小菌英雄)

基盤研究 (B) 16H03947 (代表 隱居良行)

基盤研究 (C) 18K03373 (代表 関行宏)

若手研究 (A) 15H05436 (代表 高田了)

世話人 Myoungjean Bae (POSTECH)

隱居 良行 (九州大学)

Chunjing Xie (Shanghai Jiao Tong University)

中村徹 (熊本大学)

小野寺有紹 (東京工業大学)

関 行宏 (九州大学)

高田 了 (九州大学)