

## Waseda Workshop on Partial Differential Equations 2019

Date: March 22-23, 2019

Venue: Large Conference Room, 1st Floor, 55N Bldg., Waseda University,  
Nishi-Waseda Campus

早稲田大学 西早稲田キャンパス 55号館N棟1階 大会議室

Access: <https://www.waseda.jp/fsci/en/access/>

### March 22 (Fri), 3月 22日(金)

**10:25** : Tohru Ozawa (Waseda Univ.)

Opening address

**10:30–11:10** : Daoyuan Fang (Zhejiang Univ.)

“Almost global existence for the Kirchhoff-type equation with the periodic boundary conditions”

**11:20–12:00** : Shuichi Kawashima (Waseda Univ.)

“Nonlinear waves for a model system of hyperbolic balance laws”

**13:30–14:10** : Sijia Zhong (Southeast Univ.)

“Well-posedness of supercritical wave equation on a compact Riemannian manifold with Dirichlet boundary condition”

**14:20–15:00** : Chengbo Wang (Zhejiang Univ.)

“The Strauss conjecture on negatively curved backgrounds”

**15:00–15:30** : Coffee Break

**15:30–16:10** : Masashi Misawa (Kumamoto Univ.)

“Finite singularity for the  $m$ -harmonic flow”

**16:20–17:00** : Makoto Nakamura (Yamagata Univ.)

“Remarks on a semilinear diffusion equation in homogeneous and isotropic spaces”

**17:10–17:50** : Hiroshi Takeda (Fukuoka Inst. Tech.)

“Asymptotic expansion of solutions for wave equations with structural damping and its application”

**18:00–** : Reception

## March 23 (Sat), 3月 23日(土)

**10:30–11:10** : Ting Zhang (Zhejiang Univ.)

“Local and global existence of pathwise solution for the stochastic Boussinesq equations with multiplicative noises”

**11:20–12:00** : Jiang Xu (Nanjing Univ. of Aeronautics and Astronautics)

“The optimal time-decay for the compressible Navier-Stokes equations in the critical  $L^p$  framework”

**13:30–14:10** : Guixiang Xu (Beijing Normal Univ.)

“Recent developments about the stability of the solitary waves for the (generalized) derivative Schrödinger equation”

**14:20–15:00** : Ruizhao Zi (Central China Normal Univ.)

“Convergence to equilibrium for the solution of the full compressible Navier-Stokes equations”

**15:00–15:30** : Coffee Break

**15:30–16:10** : Masayuki Hayashi (Waseda Univ.)

“Potential well theory for the derivative nonlinear Schrödinger equation”

**16:20–17:00** : Erika Ushikoshi (Yokohama National Univ.)

“Hadamard variational formula for the multiple eigenvalues of the Stokes equations with friction slip boundary conditions”

**17:00** : Takayoshi Ogawa (Tohoku Univ.)

Closing address

Organizers:

Daoyuan Fang, Nakao Hayashi,  
Takayoshi Ogawa, Tohru Ozawa, Ting Zhang

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