

# Nonlinear Wave and Dispersive Equations, Kyoto 2016

Date : September 6th (Tue.) – 8th (Thu.), 2016

Venue : Room 110 of Bldg. 3, and Room 301 of Bldg. 6 (only for the Wednesday afternoon),  
Graduate School of Science, Kyoto University

## Program

### September 6th (Tue.)

Room 110, Bldg. 3

13:25 – 13:30    Opening

13:30 – 14:30

Tohru Ozawa (Waseda University)

Higher order fractional Leibniz estimates

14:40 – 15:40

Hideaki Sunagawa (Osaka University)

The lifespan of small solutions to cubic derivative nonlinear Schrödinger equations  
in one space dimension

16:00 – 17:00

Tetsu Mizumachi (Hiroshima University)

Stability of line solitons for the KP-II equation

### September 7th (Wed.)

Room 110, Bldg. 3

9:30 – 10:30

Masaya Maeda (Chiba University)

On orbital stability/instability of nonlinear Schrödinger equations

10:40 – 12:10

Arnaud Debussche (École Normale Supérieure de Rennes)

Stochastic conservation laws, existence and long time behavior

Room 301, Bldg. 6. (only for this afternoon)

14:00 – 15:00

Tadahiro Oh (University of Edinburgh)

On the transport property of Gaussian measures under Hamiltonian PDE dynamics

15:15 – 16:45

Yoshio Tsutsumi (Kyoto University)

Well-posedness of some reduced nonlinear dispersive equations in Sobolev spaces with negative indices

18:00 – 20:00

Banquet at **Kyoto University Clock Tower Centennial Hall**

September 8th (Thu.)

Room 110, Bldg. 3

9:30 – 10:30

Jun-ichi Segata (Tohoku University)

Refinement of Strichartz estimates for Airy equation and application

10:40 – 12:10

Anne de Bouard (École Polytechnique)

Inhomogeneities and temperature effects in Bose-Einstein condensates

12:10 – 12:15    Closing

Organizing Committee:

Reika Fukuizumi (Tohoku University)

Nobu Kishimoto (Kyoto University)

Kenji Nakanishi (Osaka University)

Masahito Ohta (Tokyo University of Science)

Hideo Takaoka (Hokkaido University)

Kotaro Tsugawa (Nagoya University)

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