

# Nonlinear and stochastic partial differential equations

Nov. 9, 2019

Room 111 at RIMS, Kyoto University

## – Programme –

- 10:00 – 10:30 Ikkei Shimizu (Kyoto University)  
Local well-posedness for Schrödinger maps with helicity terms
- 10:40 – 11:10 Guopeng Li (University of Edinburgh)  
Almost conservation laws for stochastic nonlinear Schrödinger equations
- 11:20 – 11:50 Andreia Chapouto (University of Edinburgh)  
On well-posedness of the complex-valued modified KdV equation  
on the circle outside  $H^{\frac{1}{2}}$
- 12:00 – 14:00 Lunch
- 14:00 – 14:50 Justin Forlano (Heriot-Watt University)  
Almost sure global well-posedness for the BBM equation with infinite  
 $L^2$  initial data
- 15:10 – 16:00 Seiichiro Kusuoka (Kyoto University)  
Approach to the quantum field with exponential interactions by  
singular SPDEs
- 16:20 – 17:10 Tadahiro Oh (University of Edinburgh)  
On singular stochastic nonlinear wave equations

### Organizers:

Kenji Nakanishi (Kyoto University)  
Nobu Kishimoto (Kyoto University)