

Workshop

Critical Problems in Nonlinear Evolution Equations 2017

Date : Feb. 20th, 2017 (Mon.) 11:00~Feb. 21st, 2017 (Tue.)15:40

会場 : 1st meeting room(第1会議室), Morito Memorial Hall 2nd floor(森戸記念館2階), Kagurazaka Campus, Tokyo University of Science.

Address: 4-2-2, Kagurazaka, Shinjuku-ku, Tokyo

<http://www.tus.ac.jp/info/campus/kagurazaka.html>

Program

Feb. 20th (Fri)

11:00–11:40 : Baoxiang Wang(Peking University)

The global well-posedness and scattering for the fourth order nonlinear Schrödinger equations with derivative nonlinearity

13:20–14:00 : Soichiro Katayama(Osaka University)

Decay of solutions of wave equations with nonlinear dissipative terms

14:10–14:50 : Yusuke Sugiyama(Tokyo University of Science)

Blow-up and lifespan for the 1D Euler equation with time-dependent damping

15:10–15:50 : Kotaro Tsugawa(Nagoya University)

Local well-posedness of derivative nonlinear Schrödinger equations on the torus

16:00–16:40 : Takayoshi Ogawa (Tohoku University)

Ill-posedness result for a nonlinear parabolic system in the critical Besov space

Feb. 21st (Tue.)

10:30–11:10 : Zhaohui Huo(Chinese Academy of Science)

Well-posedness for the Kadomtsev-Petviashvili-I equation in three space dimension

11:20–12:00 : Mitsuru Sugimoto(Nagoya University)

Spectral comparison of smoothing estimates and its applications

13:20–14:00 : Chunhua Li(Yanbian University)

Nonlinear Schrödinger systems in 2d with nondecaying final data

14:10–14:50 : Jun-ichi Segata(Tohoku University)

Refinement of Strichartz estimate for Airy equation in non-diagonal case and its application

15:00–15:40 : Toru Ozawa(Waseda University)

On Landau-Kolmogorov inequalities for dissipative operators

Organizers:

Takayoshi Ogawa(Tohoku University)

Nakao Hayashi(Osaka University)

Keiichi Kato (Tokyo University of Science) kato@ma.kagu.tus.ac.jp

This workshop is supported by JSPS Kakenhi Grant-in-Aid for Scientific Research(S)
Grant Number 25220702.