Workshop
Critical Problems in Nonlinear Evolution Equations
2017

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

Venue: 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.