Recent Topics on Partial Differential Equations

Date: 17–18, November 2017
Venue: 61125 Room, 11th Floor, Building No.6, Chuo University
　　　　1-13-27 Kasuga Bunkyo-ku Tokyo 112-8551 Japan
　　　　中央大学後楽園キャンパス 6 号館 11 階 61125 室

Program

17 November (Friday)

13:00 – 13:50　　Taisuke Yoneyama (Tokyo University of Science)
　　　　　　　　Characterization of ranges of wave operators for Schrödinger
　　　　　　　　equations via wave packet transform

14:00 – 14:50　　Makoto Nakamura (Yamagata University)
　　　　　　　　Remarks on the derivation of several partial differential
　　　　　　　　equations

15:00 – 15:50　　Kiyoshi Mochizuki (Tokyo Metropolitan University and Chuo
　　　　　　　　University)
　　　　　　　　Smoothing and Strichartz estimates in exterior domain

Coffee Break 15:50 – 16:20

16:20 – 17:10　　Tohru Ozawa (Waseda University)
　　　　　　　　Blowup solutions for the derivative nonlinear Schrödinger
　　　　　　　　equation on torus

17:20 – 18:10　　Vladimir Georgiev (University of Pisa and Waseda University)
　　　　　　　　On fractional powers of singular perturbations of the Laplacian

Banquet

18 November (Saturday)

10:30 – 11:20　　Koichi Taniguchi (Chuo University)
　　　　　　　　Gradient estimates for heat equation in exterior domain

11:30 – 12:20　　Shinya Kinoshita (Nagoya University)
　　　　　　　　Sharp well-posedness for the quadratic derivative nonlinear
　　　　　　　　Schrödinger system

Lunch 12:20 – 14:00

14:00 – 14:50   Mitsuru Sugimoto (Nagoya University)
      Spectral comparison of smoothing estimates

15:00 – 15:50   Serge Richard (Nagoya University)
      Inverse square potential: what can one still learn from solvable
      models?

16:00 – 16:50   Tsukasa Iwabuchi (Tohoku University)
      Remark on the function spaces generated by the Dirichlet
      Laplacian and the Neumann Laplacian in one dimension

Organizers:
  Tokio Matsuyama (Chuo Univ.)   E-mail:tokio@math.chuo-u.ac.jp
  Koichi Taniguchi (Chuo Univ.)   E-mail:koichi-t@gug.math.chuo-u.ac.jp