Nonlinear Dispersive Equations in Kumamoto, 2018

Date : January 20th(Sat.), 2018 – January 21st(Sun.), 2018
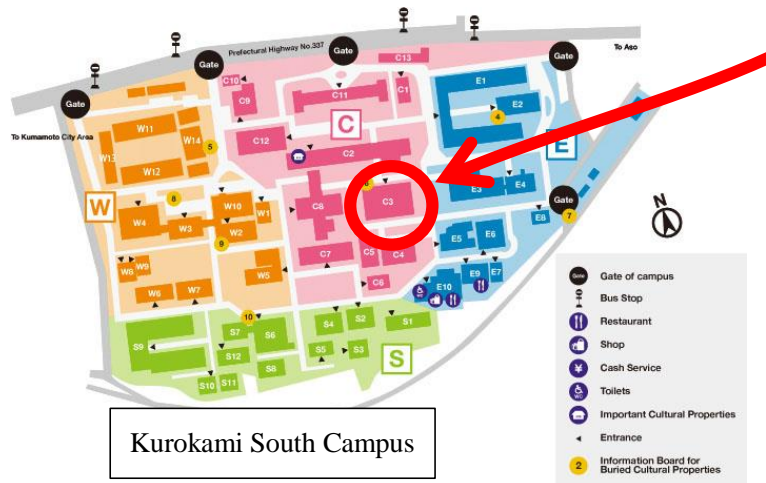
Time : January 20th(Sat.) 13:30 – 17:20 (Banquet will be planned.)

          January 21st(Sun.) 10:00 – 16:20

Venue : Room I-203, Faculty of Engineering Research Building I,

          Kurokami South Campus, Kumamoto University

          Kurokami 2-39-1, Kumamoto, 860-8555 Japan

Kurokami South Campus

Program

January 20th (Sat.)

13:30－14:20 Baoxiang Wang (Peking University)

        Global well-posedness for NLS with a class of H^{s}-supercritical data

14:30－15:20 Zhaohui Huo (Chinese Academy of Sciences)

        Well-posedness and dispersive limit behavior of the fifth order KdV equation

15:30－16:20 Hideo Kubo (Hokkaido University)

        On the critical exponent for nonlinear damped wave equations with a potential

16:30－17:20 Tohru Ozawa (Waseda University)

        Lifespan of periodic solutions to derivative nonlinear Schrödinger equations

18:30－20:30 Banquet

January 21st (Sun.)

10:00－10:50 Mamoru Okamoto (Shinshu University)

Random data Cauchy problem for the energy critical nonlinear Schrödinger equations

11:00－11:50 Nobu Kishimoto (Kyoto University)

Ill-posedness for the periodic third order NLS equation with Raman scattering term

Lunch Break

13:30－14:20 Haruya Mizutani (Osaka University)

Endpoint Strichartz estimates for Schrödinger equation with the inverse-square potential

14:30－15:20 Satoshi Masaki (Osaka University)

Asymptotic behavior of solutions to nonlinear Schroödinger equation with general homogeneous nonlinearity

15:30－16:20 Kenji Nakanishi (Osaka University)

Strichartz estimate and scattering for the 4D Zakharov system

Organizers: Nakao Hayashi (Osaka University)
         Naoyasu Kita (Kumamoto University)