

Program

Harmonic Analysis and Wave Phenomena August 10 – 11, 2021

August 10 (Tue)

- 13:30 – 14:30 **Tomoya Kato** (Gunma University)
Boundedness of bilinear pseudo-differential operators of $S_{0,0}$ -type in Wiener amalgam spaces and in Lebesgue spaces
- 14:45 – 15:45 **Haruya Mizutani** (Osaka University)
Kato–Yajima and Strichartz estimates for fractional and higher-order Schrödinger equations with Hardy potential
- 16:00 – 17:00 **Michael Reissig** (Technische Universität Bergakademie Freiberg)
Global (in time) existence versus blow-up phenomena
- 17:15 – 18:15 **Michael Ruzhansky** (Universiteit Gent / Queen Mary University of London)
Nonharmonic operator analysis

August 11 (Wed)

- 10:30 – 11:30 **Shinya Kinoshita** (Saitama University)
Well-posedness of fractional NLS and semi-relativistic equations with Hartree type nonlinearity
- 13:30 – 14:30 **Neal Bez** (Saitama University)
Dispersive estimates for the wave equation
- 14:45 – 15:45 **Baoxiang Wang** (Peking University)
Nonlinear evolution equations in super-critical spaces
- 16:00 – 17:00 **Joachim Toft** (Linnæus University)
Schatten-von Neumann properties of Weyl operators of Hörmander type
- 17:15 – 18:15 **Matania Ben-Artzi** (Hebrew University of Jerusalem)
Splines, biharmonic operator and approximate eigenvalues

- The time is written in Japan time.
- A banquet to celebrate the 60th birthday of Professor Mitsuru Sugimoto in Nagoya University is held online using SpatialChat from 19:00 to 21:00 on August 10.

Organizing Committee

Jun Kato (Nagoya University)

Tomoya Kato (Gunma University)

Shinya Kinoshita (Saitama University)

Sei Nagayasu (University of Hyogo)

Yutaka Terasawa (Nagoya University)

Naohito Tomita (Osaka University)

Yohei Tsutsui (Kyoto University)