Harmonic analysis and its applications 2023

Date: August 28 (Mon.) - September 1 (Fri.), 2023
Place: Room 3-309, Science Bldg. ♯ 3, Hokkaido Univeristy

— Schedule —

	28 (Mon.)	29 (Tue)	30 (Wed.)	31 (Thr.)	1 (Fri.)
10:00 - 11:00		Lecture B	Lecture D	Lecture C	Lecture C
11:15 - 12:15		Lecture C	Lecture A	Lecture D	Lecture D
12:45 - 13:45					
14:00 - 15:00	Lecture A	Lecture B	Free discussion	Lecture A	
15:15 - 16:15	Lecture B	Talk B	Free discussion	Talk D	
16:30 - 17:30	Talk A	Talk C	Free discussion	Talk E	
18:30 -		Banquet			

— Lectures (three 1-hour lectures) —

- Lecture A
  Piero D'Ancona (Sapienza Universitá di Roma)
  Scattering theory for the NLS and the concentration–compactness method

- Lecture B
  Sebastian Herr (Universität Bielefeld)
  Bilinear Fourier restriction, critical function spaces, and applications to nonlinear Dirac and wave equations

- Lecture C
  Isroil A. Ikromov (Academy of Sciences of Uzbekistan)
  On the sharp estimates for convolution operators with oscillatory kernel

- Lecture D
  Olli Saari (Universitat Politecnica de Catalunya)
  Phase space localizing operators and applications

— Talks (1-hour talks) —

- Talk A
  Tohru Ozawa (Waseda University)
  Proof of the Gagliardo-Nirenberg Sobolev inequalities via heat semigroup

- Talk B
  Haruya Mizutani (Osaka University)
  Strichartz estimates for Schrödinger equations with long-range potentials

- Talk C
  Toru Nogayama (Chuo University)
  Maximal regularity in Besov-Morrey spaces

- Talk D
  Shinya Kinoshita (Tokyo Institute of Technology)
  Decoupling inequality under thin annulus constraint and its application to the periodic Zakharov system

- Talk E
  Hitoshi Tanaka (Tsukuba University of Technology)
  The dyadic analysis with cubes and rectangles

Organizers:

- Satoshi Masaki (Hokkaido University)

- Mitsuru Sugimoto (Nagoya University)

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- Yohei Tsutsui (Kyoto University)

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