

The 11th East Asian conference in Harmonic Analysis and Applications

Date: August 15 (Thur.) - 19 (Mon.), 2024

Place: 5th floor of International Science Innovation Building (No. 69), Kyoto University
Access

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Plenary talks: 50 min.

- Guozhen Lu, (University of Connecticut),
Date: 15th 10:00 - 10:50, (**This is an Online talk.**)
 - Title: *Fractional GJMS operators on hyperbolic spaces and Sharp fractional Hardy-Sobolev-Maz'ya inequalities.*
- Doowon Koh, (Chungbuk National University),
Date: 15th 16:10 - 17:00.
 - Title: *Restriction estimates over finite fields and their applications to certain combinatorial problems.*

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- Koichi Taniguchi, (Shizuoka University),
Date: 16th 10:00 - 10:50.
 - Title: *On characterization of boundedness of composition operators on Besov spaces.*
- Xiangxing Tao, (Zhejiang University of Science and Technology),
Date: 16th 16:10 - 17:00.
 - Title: *On the Tb theorem for some singular integral operators over space of homogeneous type.*

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- Ji Li, (Macquarie University),
Date: 18th 10:00 - 10:50.
 - Title: *Schatten properties of Riesz transform commutator in the two weight setting.*
- Jinmyoung Seok, (Seoul National University),
Date: 18th 15:20 - 16:10.
 - Title: *Quantum and classical models of stars and their consistency.*
- Yutaka Terasawa, (Nagoya University),
Date: 18th 16:30 - 17:20.
 - Title: *Asymptotic behavior of solutions to elliptic equations in 2D exterior domains.*

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- Toru Nogayama, (Tokyo University of Science),
Date: 19th 10:00 - 10:50.
 - Title: *Weighted maximal inequalities for local Bourgain–Morrey spaces.*
- Hongquan Li, (Fudan University),
Date: 19th 16:10 - 17:00.
 - Title: *Centered Hardy-Littlewood Maximal Functions on H-Type Groups Revisited.*

Talks: 30 min.

- Satoshi Masaki, (Hokkaido University),
Date: 15th 11:10 - 11:40.
 - Title: *Small data scattering for NLS with a homogeneous nonlinearity in the weighted space.*
- Ye Zhang, (Okinawa Institute of Science and Technology),
Date: 15th 11:10 - 11:40.
 - Title: *Loomis-Whitney inequalities on Heisenberg groups.*
- Kiyeon Lee, (KAIST),
Date: 15th 12:00 - 12:30.
 - Title: *The global dynamics for the Maxwell-Dirac system.*
- Takeshi Kawazoe, (Keio University),
Date: 15th 12:00 - 12:30.
 - Title: *On Hardy spaces on Riemannian symmetric spaces of rank one.*
- Naoya Hatano, (Chuo University),
Date: 15th 14:30 - 15:00.
 - Title: *Boundedness of composition operators from Lorentz spaces to Orlicz spaces.*
- Jun Cao, (Zhejiang University of Technology),
Date: 15th 14:30 - 15:00.
 - Title: *On the relative-boundedness of Schrödinger operators.*
- Lu Chen, (Beijing Institute of Technology),
Date: 15th 15:20 - 15:50.
 - Title: *Some new progress on quantitative stability of geometric inequality.*
- In-Jee Jeong, (Seoul National University),
Date: 15th 15:20 - 15:50.
 - Title: *Degenerate dispersive equations and wave packets.*
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- Yanping Chen, (University of Science and Technology Beijing),
Date: 16th 11:10 - 11:40.
 - Title: *An extension of Calderón-Zygmund type singular integral with non-smooth kernel.*
- Sukjung Hwang, (Chungbuk National University),
Date: 16th 11:10 - 11:40.
 - Title: *Nonlinear diffusion equation with a divergence form of drift.*

- Yohei Tsutsui, (Kyoto University),
Date: 16th 12:00 - 12:30.
– Title: *Two-weight inequality for the heat flow and solvability of Hardy-Hénon parabolic equation.*
- Maochun Zhu, (Nanjing University of Science and Technology),
Date: 16th 12:00 - 12:30.
– Title: *Existence of ground state solutions for nonlinear PDEs with exponential critical growth involving the constant and trapping potentials.*
- Chu-Hee Cho, (Seoul National University),
Date: 16th 14:30 - 15:00.
– Title: *Bourgain's counterexample in the sequential convergence problem for the Schrödinger equation.*
- Kotaro Inami, (Nagoya University),
Date: 16th 14:30 - 15:00.
– Title: *Local L^p smoothing estimates for Schrödinger equations in modulation spaces.*
- Naoto Shida, (Nagoya University),
Date: 16th 15:20 - 15:50.
– Title: *Bilinear oscillatory Fourier multipliers.*
- Changkeun Oh, (Seoul National University),
Date: 16th 15:20 - 15:50.
– Title: *On the small cap decoupling for the moment curve in \mathbb{R}^3 .*
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- Motofumi Aoki, (Kyoto University),
Date: 18th 11:10 - 11:40.
– Title: *On the ill-posedness for compressible Navier-Stokes equations in three dimensions.*
- Kangwei Li (Tianjin University),
Date: 18th 11:10 - 11:40.
– Title: *Endpoint multilinear restricted weak type extrapolation theorem.*
- Liguang Liu, (Renmin University of China),
Date: 18th 12:00 - 12:30.
– Title: *Heat Kernel Constructions on Metric Measure Spaces.*
- Ryota Kawasumi, (Kobe Gakuin University),
Date: 18th 12:00 - 12:30.
– Title: *Pointwise convergence using deep neural networks or the Fourier series theory.*

- Qingying Xue, (Beijing Normal University),
Date: 18th 14:30 - 15:00.
– Title: *On the boundedness of Calderón commutators.*
- Kwan Woo, (UNIST),
Date: 18th 14:30 - 15:00.
– Title: *Fabes-Stroock Approach to Elliptic Equations with Singular Drift.*
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- Taiki Takeuchi, (Kyoto University),
Date: 19th 11:10 - 11:40.
– Title: *The Lorentz-Chemin-Lerner space and its characterizations.*
- Jinsol Seo, (KIAS),
Date: 19th 11:10 - 11:40.
– Title: *L^p theory for the Poisson equation in non-smooth domains.*
- Sewook Oh, (KIAS),
Date: 19th 12:00 - 12:30.
– Title: *Semiclassical L^p quasimode restriction estimates in two dimensions.*
- Xiaohua Yao, (Central China Normal University),
Date: 19th 12:00 - 12:30.
– Title: *L^p estimates related to Scattering theory.*
- Jeongtae Oh, (Yonsei University),
Date: 19th 14:30 - 15:00.
– Title: *Some remarks on spherical maximal operator on Heisenberg group.*
- Hiroki Ohyama, (Kyoto University),
Date: 19th 14:30 - 15:00.
– Title: *Fast rotation limit for the magnetohydrodynamics equations in a 3D layer.*
- Jungang Li, (University of Science and Technology of China),
Date: 19th 15:20 - 15:50.
– Title: *Sobolev type and Moser type inequalities on hyperbolic spaces and applications.*
- Yehyun Kwon, (Changwon National University),
Date: 19th 15:20 - 15:50. (**This is an Online talk.**)
– Title: *Estimates for spherical harmonic projection and unique continuation for the Schrödinger operators.*