

**HARMONIC ANALYSIS AND ITS APPLICATIONS
AT NARA 2011**

November 11–13, 2011
Nara International Seminar House

Nov. 11

- 9:40–10:30 **Akihiko Miyachi** (Tokyo Woman's Christian Univ.) and
Naohito Tomita (Osaka Univ.)
Sharp conditions for multilinear Fourier multipliers
- 10:40–11:10 **Shinya Moritoh** (Nara Women's Univ.)
Smoothness of functions and the Weyl-Stone-Titchmarsh-Kodaira
theorem
- 11:20–12:10 **Jong-Guk Bak** (Pohang Univ. of Science and Technology)
Restriction of Fourier transforms to some complex curves
- 14:10–15:00 **Yong-Kum Cho** (Chung-Ang Univ.)
On the Fourier transform method for the Boltzmann equation
- 15:10–16:00 **Shigehiko Kuratsubo**
A point of contact with multiple Fourier series and lattice point
problems
- 16:20–16:50 **Rza Mustafayev** (Kirikkale Univ., Turkey)
On a theorem of Muchenhaupt-Wheeden in generalized Morrey
spaces
- 17:00–17:30 **Yoshihiro Sawano** (Kyoto Univ.)
Morrey spaces for non-doubling measures II

Nov. 12

- 9:40–10:30 **Sunggeum Hong** (Chosun Univ.)
Sobolev regularity for integral operators over convex hypersur-
faces
- 10:40–11:10 **Chuhee Cho** (Seoul National Univ.)
On pointwise convergence of the Schrödinger equation

- 11:20–12:10 **Joe Kamimoto** (Kyushu Univ.) and **Toshihiro Nose** (Kyushu Univ.)
Asymptotic analysis of oscillatory integrals via the Newton polyhedra of the phase and the amplitude
- 14:10–15:00 **Sanghyuk Lee** (Seoul National Univ.)
Improved bound for Stein's square functions
- 15:10–16:00 **Hitoshi Tanaka** (Univ. of Tokyo)
Morrey spaces and weights
- 16:20–16:50 **Jungjin Lee** (Korea Institute for Advanced Study)
Endpoint bilinear restriction estimate for a paraboloid

Nov. 13

- 9:40–10:10 **Satoko Sugano** (Kobe City College of Technology)
Some inequalities for fractional integral operators on Morrey spaces and their remarks
- 10:20–10:50 **Gyeongha Hwang** (Pohang Univ. of Science and Technology)
Well-posedness of critical nonlinear Schrödinger equations below L^2
- 11:00–11:50 **Kijung Lee** (Ajou Univ.)
On L_p theory of Stochastic Linear Parabolic Equations/Systems
- 14:10–17:30 **Free Discussion**

Organizers:

Jong-Guk Bak (Pohang University of Science and Technology)
Sanghyuk Lee (Seoul National University)
Akihiko Miyachi (Tokyo Woman's Christian University)
Masami Okada (Tokyo Metropolitan University)

Local organizer:

Shinya Moritoh (Nara Women's University)

Web page of Nara International Seminar House:

<http://nara-manabi.com/index.html>