

Naha Symposium on Spectral and Scattering Theory

Date: January 14 (Tue.) 10:00 – January 15 (Wed.) 17:00, 2020

Venue: Okinawaken Shichoson Jichi Hall, 4F Conference room (No.5+No.6)
(Address: 116-37, Asahimachi, Naha, Okinawa 900-0029 JAPAN.)

(WebSite: <http://www.math.kochi-u.ac.jp/onodera/Naha2020-e.html>)

Program

January 14 (Tue.)

10:00–10:50 Yves Dermenjian (Professor Emeritus at Aix-Marseille University)
Examples of localization of eigenfunctions of an elliptic operator with
Dirichlet condition in a bounded stratified media

11:05–11:55 Kazunori Ando (Ehime University)
Spectral properties of the Neumann-Poincaré operators and anomalous
localized resonance I

– **Lunch Break (11:55–13:50)** –

13:50–14:40 Kenta Higuchi (Ritsumeikan University)
Resonance free domain for a system of Schrödinger operators with an energy
-level crossing

15:00–15:50 Akito Suzuki (Shinshu University)
Robustness of localization and spectral scattering theory in quantum walks I

16:10–17:00 Kentaro Kameoka (The University of Tokyo)
Semiclassical shape resonances for the Stark Hamiltonian

– **Banquet (18:00–)** –

January 15 (Wed.)

10:00–10:50 Shota Fukushima (The University of Tokyo)
On pseudodifferential operators on manifolds with ends

11:05–11:55 Atsuhide Ishida (Tokyo University of Science)
Inverse scattering in Stark effect

– **Lunch Break (11:55–13:50)** –

13:50–14:40 Kazunori Ando (Ehime University)
Spectral properties of the Neumann-Poincaré operators and anomalous localized resonance II

15:00–15:50 Naoya Yoshida (Ritsumeikan University)
Bohr-Sommerfeld quantization condition for two dimensional Schrödinger operator with strong magnetic field

16:10–17:00 Akito Suzuki (Shinshu University)
Robustness of localization and spectral scattering theory in quantum walks II

Organizer: Koichi Kaizuka (Nippon Medical School), Eiji Onodera (Kochi University), Hiroyuki Chihara (University of the Ryukyus, Local Organizer)

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