RIMS workshop
Spectral and Scattering Theory and Related Topics

Organizer: Mitsuteru Kadowaki (The University of Shiga Prefecture)
Coorganizer: Michiyuki Watanabe (Niigata University)

Period : December 7(Wed.)13:30 – 9(Fri.)16:40, 2016

Venue: Maskawa Hall (1st floor of Maskawa Building for Education and Research),
Kyoto University. (http://www.kyoto-u.ac.jp/en/access/yoshida/north.html)

Program

December 7(Wed.)

13:30-14:20	Michiyuki Watanabe (Niigata University) Asymptotic behavior of stationary solutions to elastic wave equations in a perturbed half-space
14:40-15:30	Takahiro Saito (Gunma University) Time-domain boundary integral equation method and its application to ultrasonic nondestructive evaluation
15:50-16:40	Terumi Touhei (Tokyo University of Science) Inverse scattering analysis of fluctuations in an elastic half-space by means of the near field equation

December 8(Thur.)

10:00-10:50	Naotaka Shoji (Tsukuba University) Interior transmission eigenvalue problem on manifold
11:10-12:00	Georgi Vodev (University of Nantes) Transmission eigenvalues - recent results and open problems
13:30-14:20	Horia Cornean (Aalborg University) A simple example of violation of the adiabatic theorem
14:40-15:30	Vesselin Petkov (University of Bordeaux) Singularities of the scattering kernel and inverse scattering problems
15:50-16:40	Kiyoshi Mochizuki (Tokyo Metropolitan University) Growth order estimates of generalized eigenfunctions and principle of limiting absorption

December 9(Fri.)

10:00-10:50	Koichi Kaizuka (Gakushuin University)
	A characterization of the L^2-range of the Poisson transform with real
	and singular spectral parameter on symmetric spaces of noncompact type

11:10-12:00   Hans Christianson (University of North Carolina)
Variations on a theme: the positive commutator in spectral geometry

13:30-14:20   Atsuhide Ishida (Tokyo University of Science)
Propagation property and inverse scattering for the fractional power
of negative Laplacian

14:40-15:30   Koichi Taniguchi (Chuo University)
Boundedness of functions of Schrödinger operators on open sets

15:50-16:40   Sohei Ashida (Kyoto University)
Exponential bound of the width of molecular predissociation resonances