

## Mini-workshop

### Neumann-Poincaré operator and related topics

Inha University, 5E210A

March 30, 2019

1:00-1:40 Yoshihisa Miyanishi (Osaka U)

Introduction to spectral geometry of boundary integral operators

1:50-2:10 Yong-Gwan Ji (Inha U)

A concavity condition for existence of a negative value in Neumann-Poincaré spectrum in three dimensions

2:20-3:00 Hisashi Morioka (Doshisha U)

Weyl's law of non-scattering energies for time-harmonic acoustic equations

3:10-3:30 Naoya Hatanaka (Osaka U)

Mathematical approach to the mechanism of the nuclear-cytoplasmic oscillation in the NF- $\kappa$ B signaling pathway

3:30-3:50 Coffee break

3:50-4:30 Daisuke Kawagoe (Inha U)

Essential spectrum of the elastic Neumann-Poincaré operator on planar domains with a corner

4:40-5:00 Evan William Chandra (Osaka U)

Asymptotic  $p$ -mean value for  $p$ -Laplacian Equation (Review)

5:10-5:50 Kazunori Ando (Ehime U)

The eigenvalues of the elastic Neumann-Poincaré operator in two dimensions