

International Workshop The Neumann-Poincaré Operator, Plasmonics, and Field Concentrations

Feb. 8-10, 2018, Ramada Jeju Hamdeok Hotel, Jeju, S. Korea

1. [Poster](#)
2. [Program](#)
3. [Program book](#)

4. Direction

When you take a taxi from Jeju International Airport to the Hotel, show [this](#) to the driver. The taxi costs slightly less than 20,000 KRW.

5. Excursion

You can find an information about Seongsan Ilchulbong Peak [here](#).

6. [Group photo](#)

7. Talk slide

[Opening](#)

[Kazunori Ando](#) (Ehime) Spectral analysis of the elastic NP operator in two dimensions and cloaking by anomalous localized resonance

[Eric Bonnetier](#) (Grenoble) The spectrum of the Neumann-Poincaré operator of the bowtie

[Charles Dapogny](#) (Grenoble) Homogenization of the eigenvalues of the Neumann-Poincaré operator

[Brian Fitzpatrick](#) (ETH) Sub-wavelength acoustic resonators: From super-resolution to metamaterials

[Johan Helsing](#) (Lund) On a Helmholtz transmission problem in planar domains with corners

[Hai-Gang Li](#) (Beijing Normal) Optimal estimates for Lamé systems from composite material

[Hongyu Liu](#) (HK Baptist) Plasmonic resonances and cloaking in linear elasticity

[Graeme Milton](#) (Utah) Optimal design for shielding or field enhancement in electrostatics and linear elasticity

[Yoshihisa Miyanishi](#) (Osaka) Spectral geometry of the Neumann-Poincaré operator on three dimensional smooth domains

[Victor Nistor](#) (Lorraine) Fredholm conditions for pseudodifferential operators

[Karl-Mikael Perfekt](#) (Reading) The spectrum of the Neumann-Poincaré operator on domains with corners and conical points

[Mihai Putinar](#) (UC-Santa Barbara) Carleman's legacy in the spectral analysis of the Neumann-Poincaré operator

[Yu Qiao](#) (Shaanxi Normal) Double Layer Potentials on Polygons and Pseudodifferential Operators on Lie Groupoids

[Faouzi Triki](#) (Grenoble) Identification of inclusions in mFET using NPO

[Sanghyeon Yu](#) (ETH) Field concentrations in plasmonics and linear elasticity

[KiHyun Yun](#) (HUFS) Blow-up estimates of the field in a narrow region between two conducting inclusions

[Hai Zhang](#) (HKUST) Mathematical studies of extraordinary field enhancement in subwavelength slits Structures