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

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

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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

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) Identication of inclusions in mfEIT 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