

# Himeji Conference on Partial Differential Equations Program 2022

## March 2 (Wednesday)

- 13:30–14:15** KAIZUKA, Koichi (Nippon Medical School)  
A note on the Dirac operator on symmetric spaces
- 14:30–15:15** ZHOU, Xiaodan (Okinawa Institute of Science and Technology)  
Horizontal quasiconvex envelope in the Heisenberg group
- 15:45–16:30** FUKUSHIMA, Shota (The University of Tokyo)  
Propagation of singularities for Schrödinger equations on manifolds with ends
- 16:45–17:30** INOUE, Hideki (University of Lyon)  
Topological Levinson's theorem with two Hilbert spaces: from finite graphs to insulators

## March 3 (Thursday)

- 10:00–10:45** MIRANDA, Pablo (Universidad de Santiago de Chile)  
Asymptotic behavior of the Spectral Shift Function for a discrete Dirac type operator in  $\mathbb{Z}^2$
- 11:00–11:45** MIYAZAKI, Hayato (Kagawa University)  
Long-range scattering for a homogeneous type nonlinear Schrödinger equation
- 14:15–15:00** NISHII, Yoshinori (Osaka University)  
Energy decay for the semilinear wave equations with weakly dissipative structure
- 15:15–16:00** TARAMA, Daisuke (Ritsumeikan University)  
Sub-Riemannian geodesic flows on the spheres
- 16:30–17:15** PINCHOVER, Yehuda (Technion-Israel Institute of Technology)  
Positive solutions of the A-Laplacian with a potential
- 17:20 – ...** Free discussion on SpatialChat

## March 4 (Friday)

- 10:00–10:45** TADANO, Yukihide (Tokyo University of Science)  
Continuum limit problem of discrete Schrödinger operators
- 11:00–11:45** ITAKURA, Kyohei (Ritsumeikan University)  
Strong radiation condition and stationary scattering theory for Stark operators

**Organized by :** FUJIE, S., HIROTA, K., HOSHIRO, T., ISOZAKI, H., ITAKURA, K.,  
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UMEDA, T., WATANABE, T., and YOSHIDA, N.