

Session 34, Recent Developments in the Mathematical Theory of Inverse Problems

Wednesday 18, Room 203

- 15:30–16:30 **Nonlinear network tomography**
Francisco Alberto Grunbaum
- 16:30–17:00 **Unique continuation for parabolic equations and applications**
Luis Escauriaza Zubiria
- 17:30–18:00 **Recovery of singularities from backscattering in R^2 and R^3**
Ana Vargas Rey
- 18:00–19:00 **Uniqueness of the continuation and inverse problems for elasticity system**
Victor Isakov

Thursday 19, Room 203

- 11:30–12:30 **Lipschitz stability for the inverse conductivity problem**
Giovanni Alessandrini
- 12:30–13:00 **Uniform estimates for solutions of Helmholtz's equation for the spherical Laplacian**
Juan Antonio Barceló Valcárcel
- 13:00–13:30 **Electromagnetic inverse problems**
Petri Ola
- 15:30–16:30 **Gromov compactness and stability of inverse spectral problems**
Matti Lassas
- 16:30–17:00 **Hausdorff moments in an inverse problem for the heat equation**
Yaroslav Kurylev
- 17:30–18:00 **Concentration of waves in highly heterogeneous media**
Carlos Castro Barbero
- 18:00–18:30 **Reconstructing conductivities in the plane**
Kim Knudsen

Friday 20, Room 203

- 10:30–11:30 **A resolution study for imaging and time reversal in random-media**
Liliana Borcea
- 11:30–12:30 **Inverse problems in N -body scattering**
Andras Vasy
- 12:30–13:00 **Smooth objective functionals for seismic velocity inversion**
Christiaan Stolk
- 13:00–13:30 **Lower order perturbations of the evolution Schrödinger equation**
Alberto Ruiz González

Saturday 21, Room 203

09:30–10:00 **Recovery of a function from its spherical means**

David Finch

10:00–10:30 **Regularity for the coefficient in the inverse conductivity problem**

Russell Brown

10:30–11:00 **Reconstruction of label images**

Gabor Herman