

Conference programme

Tuesday, August 12

9.20 – 9.30	Opening	
9.30 – 10.20	Ehrenpreis	The strip theorem for pde
10.40 – 11.30	Sharafutdinov	Slice-by-slice reconstruction algorithm for vector tomography with incomplete data
	Coffee break	
12.00 – 12.50	Päivärinta	Calderòn problem in 2D
	Lunch	
14.30 – 15.20	Natterer	Incomplete data in wave equation reflection imaging
15.40 – 16.30	de Hoop	Sensitivity analysis of wave-equation tomography: A multi-scale approach
	Coffee break	
17.00 – 17.50	Finch	Mathematics of thermoacoustic tomography

Wednesday, August 13

10.00 – 21.00	Excursion to the Stockholm archipelago	
	Conference dinner	

Thursday, August 14

9.30 – 10.20	Colin de Verdière	An semi-classical inverse spectral problem motivated by passive imaging in seismology
10.40 – 11.30	Lassas	Broken geodesics and inverse problems for radiative transfer equation
	Coffee break	
12.00 – 12.50	Stefanov	Boundary rigidity, lens rigidity and analytic microlocal analysis
	Lunch	
14.30 – 15.20	Gindikin	Explicit inversion formulas for curved problems of integral geometry
15.40 – 16.30	Novikov	On Wiener type filters in SPECT
	Coffee break	
17.00 – 17.50	Katsevich	Motion compensated image reconstruction in tomography

Friday, August 15

9.30 – 10.20	Kuchment	On reconstructions in thermoacoustic tomography
10.40 – 11.30	Greenleaf	Cloaking devices and invisibility
	Coffee break	
12.00 – 12.50	Beylkin	Nonlinear inversion of a bandlimited Fourier transform
	Lunch	
14.30 – 15.20	Louis	Feature reconstruction in tomography
15.40 – 16.30	Belishev	Geometrization of rings as a method for solving inverse problems
	Coffee break	
17.00 – 17.50	Quinto	Support theorems and microlocal analysis