

Monday 31.5.	Tuesday 1.6.	Wednesday 2.6.	Thursday 3.6.
9.00–9.45	8.30–9.45 <i>Registration</i> 9.45 <i>Opening</i>		A. Vasy: Geometric optics and the wave eq. on manifolds with corners
10.00–10.45	L. Päivärinta: On Calderón's inverse conductivity problem and quasiconformal maps in 2D	B. Simon: Continued fractions and their continuous analogs in inverse spectral theory	Y. Eliashberg: Symplectic Field Theory and commuting differential operators
11.00–11.45	A. Laptev: Follytons and the removal of eigenvalues for fourth order differential operators	R. Melrose: Scattering and complete metrics on manifolds with corners	D. Burago: Vol. estim. via bound. dist. funct., a prob. of Busemann, & a general. Minkowski existence thm.
11.45–13.15	L u n c h b r e a k		
13.15–13.45	P. Stefanov: Boundary rigidity of Riemannian manifolds	G. Inglese: Detecting corrosion on inaccessible interfaces	A. Katchalov: Gaussian beams in inverse problems
13.50–14.20	R. Potthast: A systematic view on the basic setup and frequent questions for inverse problems	H. Engl: Regularization in neural networks and fuzzy control, stochastic convergence concepts	A. Greenleaf: Microlocal methods for the Calderon problem
14.25–14.55	M. de Hoop: Factorization of seismic inverse scattering operators	S. McDowell: Optical tomography on Riemannian surfaces	A. Sá Barreto: Scattering and inverse scattering on asymptotically hyperbolic manifolds
14.55–15.20	C o f f e e		
15.20–15.50	V. Serov: Reconstruction of singularities in 2D Schrödinger operator with fixed energy	F. Cakoni: Mixed boundary value problems in inverse scattering	M. Yamamoto: Stability in inverse problems by Carleman estimates
15.55–16.25	M. Kaasalainen: Inverse problems in astronomy	C. Fox: Computing statistical solutions to physical inverse problems	V. Kolehmainen: Statistical inversion for 3D x-ray tomography with sparse data
16.40–17.10	A. Boukhgeim: New methods in tensorial tomography for medicine and seismology	A. Mazzucato: Non-uniqueness in the parameter identification for anisotropic elastodynamics	L. d'Amore: Computational issues of inverse problems in film restoration: some experiences
17.15–17.45	R. Hryniv: Inverse spectral problems for Sturm-Liouville operators with singular potentials	T. Hein: Tikhonov regularization for the inverse problem of option pricing in the price-dependent case	
	K. Tanuma: Inverse problems for scalar conservation laws	L. Rachele: Inverse problems for anisotropic elastic media	
	M. Horváth: Inverse eigenvalue problems and inverse scattering	P. Kügler: A first step towards nonlin. online param. estimation	
17.55–18.25	R. Gaburro: Pointwise boundary determ. of the cond. from the loc. Dirichlet-to-Neumann map	E. Cherkaev: Can one find the structure of a mixture from its effective properties?	18.00 <i>City Hall reception</i>
	D. Kazantsev: Inv. formula for the Radon transform on strip with fan beam data	V. Papanicolaou: The inverse spectral theory of the periodic Euler-Bernoulli equation	
18.30–19.00	P. Gaitan: Inverse problems for the Schrödinger operator in a layer		
	M. Sofiev: An application of adjoint dispersion eq. and data assimilation methods to inv. dispersion prob.		

	Friday 4.6.	Saturday 5.6.
9.00–9.30	J. Kaipio: Inverse problems, approximation errors and inverse crimes	V. Isakov: Inverse problems for the elasticity systems
9.35–10.05	H. Isozaki: Inverse problems and hyperbolic spaces and an application to local DN map	E. Candes: New multiscale thoughts on limited-angle tomography
10.10–10.40	M. Hitrik: Complex Lagrangian tori and spectral asymptotics for non-selfadjoint operators	M. Ikehata: The probe and enclosure methods – two methods in inverse problems
10.45–11.15	D. Calvetti: Aristotelian prior boundary conditions	R. Weder: Borg-Marchenko two spectra uniqueness theorem for Schrödinger operators with continuous spectrum
11.15–13.00	L u n c h b r e a k	
13.00–13.30	P. Kuchment: Around the circular Radon transform	Y. Kurylev: Anisotropic inverse problems: uniqueness and stability
13.35–14.05	J. Mueller: The D-bar method in electrical impedance tomography	<i>13.30 Finale</i>
14.10–14.40	M. Bertero: The Large Binocular Telescope (LBT): a laboratory for image restoration in astronomy	
14.40–15.10	C o f f e e	
15.10–15.40	A. Tamasan: Reconstruction of the convection terms in two dimensional domains	
15.45–16.15	F. Sgallari: Edge preserving regularization methods in image processing	
16.30–17.00	L. Rondi: A variational approach to the reconstruction of potentials and cracks by boundary measurements V. Zalipaev: Inverse problem of reconstruction of velocity and density in a weakly lateral heterogeneous half-space	
17.05–17.35	J. Janno: Reconstruction of kernels in parabolic and hyperbolic integro-differential equations from restricted Dirichlet-to-Neumann operator K. Ghanbari: Bi-isospectral pentadiagonal oscillatory matrices	