Program for Thursday, September 22

09.00–09.05	**Opening**
	Session 1, Chair: Bernd Hofmann
09.05–09.40	**Lothar Reichel** (Kent, USA) *Generalized Krylov subspace methods for l_p-l_q minimization*
09.40–10.15	**Bangti Jin** (London, UK) *Sparse recovery by ℓ^0 penalty*
10.15–10.35	**Coffee break**
	Session 2, Chair: Peter Mathé
10.35–11.00	**Barbara Kaltenbacher** (Klagenfurt, Austria) *Regularization by bound constraints and its application to parameter identification in PDEs*
11.00–11.25	**Volker Michel** (Siegen, Germany) *Observing Climate Change | Some Solved and Unsolved Mathematical Problems*
11.25–11.45	**Frederic Weidling** (Göttingen, Germany) *Characterizations of variational source conditions, converse results, and maxisets of spectral regularization methods*
11.45–12.55	**Lunch break**
	Session 3, Chair: Lothar Reichel
12.55–13.20	**Peter Mathé** (Berlin, Germany) *Complexity of linear ill-posed problems in Hilbert space I*
13.20–13.45	**Sergei Pereverzyev** (Linz, Austria) *Complexity of linear ill-posed problems in Hilbert space II*
13.45–14.10	**Jens Flemming** (Chemnitz, Germany) *Convergence rates for ℓ^1-regularization without injectivity-type assumptions*
14.10–14.25	**Coffee break**
	Session 4, Chair: Frank Werner
14.25–14.50	**Esther Klann** (Berlin, Germany) *Topological derivatives for domain functionals with an application to tomography*
14.50–15.15	**Daniel Gerth** (Chemnitz, Germany) *On oversmoothing regularization*
15.15–15.40	**Pavlo Tkachenko** (Linz, Austria) *Nyström type subsampling analyzed as a regularized projection*
15.40–16.00	**Michael Quellmalz** (Chemnitz, Germany) *A generalization of the Funk–Radon transform*
16.40–22.00	**Excursion to Villa Esche and conference dinner** departure 16.56 by tram 4 (Hutholz) from stop 'Theaterplatz' in front of Chemnitzer Hof and Hotel an der Oper to stop 'Haydnstraße' (tram tickets will be provided by the organizers)

Program for Friday, September 23

	Session 1, Chair: Sergei Pereverzyev
08.30–09.05	**Frank Werner** (Göttingen, Germany) *Support inference in linear statistical inverse problems*
09.05–09.30	**Masahiro Yamamoto** (Tokyo, Japan) *Well-posedness of initial - boundary value problems for time-fractional diffusion equations and inverse problems*
09.30–09.55	**Arnd Rösch** (Essen, Germany) *A semilinear parabolic problem with a directional sparsity functional*
09.55–10.15	**Coffee break**
	Session 2, Chair: Bangti Jin
10.15–10.35	**Dominik Garmatter** (Frankfurt, Germany) *Reduced basis methods for nonlinear ill-posed inverse problems*
10.35–10.55	**Anne Wald** (Saarbrücken, Germany) *Solving nonlinear inverse problems by sequential subspace optimization with an application to terahertz tomography*
10.55–11.15	**Phil Gralla** (Bremen, Germany) *Inverse Problems Incorporating Tolerances*
11.15–11.40	**Steven Bürger** (Chemnitz, Germany) *Discretized Lavrent'ev regularization for the autoconvolution equation*
11.40–12.50	**Lunch break**
	Session 3, Chair: Jens Flemming
12.50–13.15	**Ivan Shestakov** (Oldenburg, Germany) *On an ill-posed mixed problem for parabolic systems*
13.15–13.40	**Abdeljalil Sakat** (Safi, Morocco) *Explicit a posteriori error estimates for recovering boundary data*
13.40–14.00	**Simon Hubmer** (Linz, Austria) *Inverse Problems and MRAI - Mapping the pulse wave velocity*
14.00–14.10	**Break**
	Session 4, Chair: Daniel Gerth
14.10–14.30	**Max Kontak** (Siegen, Germany) *A greedy algorithm for the solution of nonlinear inverse problems*
14.30–14.50	**Victoria Hutterer** (Linz, Austria) *The Inverse Problem of Wavefront Reconstruction from Pyramid Sensor Data*