Program for Thursday, September 18

09.00–09.05	**Introduction**
	Session 1, Chair: Bernd Hofmann (Chemnitz, Germany)
09.05–09.50	Opening lecture
	Andrew Stuart (Warwick, Great Britain)
	Well-posed Bayesian geometric inverse problems
09.50–10.15	**Peter Mathé** (Berlin, Germany)
	Merging regularization theory into Bayesian inverse problems
10.15–10.40	**Elena Resmerita** (Klagenfurt, Austria)
	An entropic Landweber-type method for linear ill-posed problems
10.40–11.00	**Coffee break**
	Session 2, Chair: Sergei V. Pereverzyev (Linz, Austria)
11.00–11.25	**Christian Clason** (Essen, Germany)
	Stochastic inverse problems with impulsive noise
11.25–11.50	**Markus Grasmair** (Trondheim, Norway)
	Bregman distance, source conditions, and variational inequalities in Tikhonov regularisation
11.50–12.15	**Volker Michel** (Siegen ,Germany)
	The regularized (orthogonal) functional matching pursuit - a best basis algorithm for inverse problems in geomathematics and medical imaging
12.15–13.15	**Lunch break**
	Session 3, Chair: Elena Resmerita (Klagenfurt, Austria)
13.15–13.40	**Masahiro Yamamoto** (Tokyo, Japan)
	Inverse problems of moving sources in wave equation
13.40–14.05	**Teresa Reginska** (Warsaw, Poland)
	Solution-functional and data-functional regularization strategies for determining the laser beam quality parameters
14.05–14.30	**Frank Werner** (Göttingen, Germany)
	Statistical inverse problems in fluorescence microscopy
14.30–14.55	**Richard Kowar** (Innsbruck, Austria)
	On time reversal in photoacoustic tomography for tissue similar to water
14.55–15.15	**Coffee break**
	Session 4, Chair: Arnd Rösch (Essen, Germany)
15.15–15.40	**Matthias Schlottbom** (Münster, Germany)
	Identification of nonlinear heat conduction laws in heat transfer problems
15.40–16.05	**Christian Gerhards** (Siegen, Germany)
	Combining downward continuation and local approximation on different spheres by optimized kernels
16.05–16.30	**Ismael Rodrigo Bleyer** (Helsinki, Finland)
	Digital speech: an application of the dbl-RTLS method for solving GIF problem
16.30–16.45	**Steven Bürger** (Chemnitz, Germany)
	An autoconvolution problem connected with SD-SPIDER
17.00–21.30	**Excursion to Wasserschloss Klaffenbach and conference dinner**
	departure 17.05 by bus from hotel 'Chemnitzer Hof'

Program for Friday, September 19

The first morning session is dedicated to the 60th anniversary of PD Dr. Peter Mathé.

09.00–09.10	**Bernd Hofmann** (Chemnitz, Germany) *Laudation*
	Session 5, Chair: Jens Flemming (Chemnitz, Germany)
09.10–09.35	**Sergei V. Pereverzyev** (Linz, Austria) *Aggregation of regularized approximations*
09.35–10.00	**Markus Hegland** (Canberra, Australia) *Weighted function spaces for highdimensional approximation and multiparameter regularisation*
10.00–10.25	**Stephan W. Anzengruber** (Chemnitz, Germany) *A NURBS-based gradient method for sparse angle tomography*
10.25–10.45	**Coffee break**
	Session 6, Chair: Peter Mathé (Berlin, Germany)
10.45–11.10	**Stefanie Hollborn** (Mainz, Germany) *Backscatter data in electric impedance tomography*
11.10–11.35	**Tapio Helin** (Helsinki, Finland) *Inverse scattering in half-space with random boundary conditions*
11.35–12.00	**Jan-Frederik Pietschmann** (Darmstadt, Germany) *Identification of chemotaxis models with volume filling*
12.00–12.25	**Sergiy Pereverzyev Jr.** (Innsbruck, Austria) *Multi-penalty regularization for detecting relevant variables*
12.25–13.20	**Lunch break**
	Session 7, Chair: Markus Hegland (Canberra, Australia)
13.20–13.35	**Hanne Kekkonen** (Helsinki, Finland) *White noise paradox in Bayesian inverse problems*
13.35–13.50	**Srivilliputtur Subbiah Nanthakumar** (Weimar, Germany) *Inverse problem of multiple inclusions detection in piezoelectric structures using XFEM and Level sets*
13.50–14.05	**Fabio Margotti** (Karlsruhe, Germany) *Inexact newton regularization methods inBanach spaces*
14.05–14.20	**Robert Winkler** (Karlsruhe, Germany) *Adaptive sensitivity-based regularization for Newton-type inversion in electrical impedancetomography*
14.20–14.35	**Sarah Orzlowski** (Siegen, Germany) *Regularized joint inversion of EEG and MEG data by a best basis algorithm*
14.35–14.45	**Coffee break**
	Session 8, Chair: Stephan W. Anzengruber (Chemnitz, Germany)
14.45–15.00	**Zenith Purisha** (Helsinki, Finland) *Recovering shape of 2D pipe with corrosion and attenuation coefficient with limited data*
15.00–15.15	**Pavlo Tkachenko** (Linz, Austria) *Multi-parameter regularization of ill-posed spherical pseudo-differential equations in C-space*
15.15–15.30	**Daniela Saxenhuber** (Linz, Austria) *Atmospheric tomography for ELT adaptive optics*
15.30–15.45	**Daniel Gerth** (Linz, Austria) *The method of the approximate inverse for atmospheric tomography*