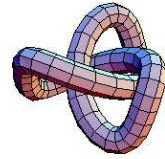




Chemnitz University of Technology  
Faculty of Mathematics  
Analysis – Inverse Problems



**Final Programme**  
of the  
**Chemnitz Symposium on Inverse Problems 2006**

which was held on

**September 28 – 29, 2006**

**in Room 2/B003, Rühlmann-Bau,  
Reichenhainer Str. 70, 09126 Chemnitz**

### Thursday (September 28):

09.00 – 09.05	Opening	
09.05 – 09.50	ANDREAS RIEDER (Univ. Karlsruhe, Germany)	<i>“Inexact Newton regularizations for nonlinear inverse problems”</i>
09.50 – 10.35	PHILIPP KÜGLER (Univ. Linz, Austria)	<i>“Reverse engineering in chemical and biological reaction networks using sparse constraints”</i>
10.35 – 10.45	Short Break	
10.45 – 11.15	MASAHIRO YAMAMOTO (Univ. Tokyo, Japan)	<i>“Asymptotic behaviour of Tikhonov regularized solutions and an application to the edge detection”</i>
11.15 – 11.45	ANTONIO LEITÃO (Univ. Florianopolis, Brazil)	<i>“On Landweber-Kaczmarz regularization methods”</i>
11.45 – 12.15	ULRICH TAUTENHAHN (UAS Zittau, Germany)	<i>“Regularized total least-squares – computational aspects and error bounds”</i>
12.15 – 13.30	Lunch Break	
13.30 – 14.00	JOHANN BAUMEISTER (Univ. Frankfurt am Main)	<i>“Parameter identification in distributed systems: identifiability and adaptive methods”</i>
14.00 – 14.30	ARND RÖSCH (Radon Inst. Linz, Austria)	<i>“Lagrange multipliers – measures or functions?”</i>
14.30 – 15.00	THORSTEN HOHAGE (Univ. Göttingen, Germany)	<i>“Detecting corrosion by thermal measurements”</i>
15.00 – 15.30	Coffee Break	
15.30 – 16.00	BARBARA KALTENBACHER (Univ. Erlangen-Nürnberg, Germany)	<i>“Some aspects in the iterative solution of nonlinear ill-posed problems: nonlinearity restrictions, global convergence, and constraints”</i>
16.00 – 16.30	MARKUS HALTMEIER (Univ. Innsbruck, Austria)	<i>“Thermoacoustic tomography and the circular Radon transform”</i>
16.30 – 17.00	BERND BÜCHLER (TU Kaiserslautern, Germany)	<i>“Regularization based on error localization“</i>
17.00 – 17.30	KARSTEN EPPLER (TU Dresden, Germany)	<i>“Optimality conditions for tracking type formulation of shape identification problems”</i>
17.30	Come-Together in Restaurant „Zum Krug“, Ebertstr. 10	

### Friday (September 29):

08.30 – 09.00	BERND HOFMANN (TU Chemnitz, Germany)	<i>“Approximate source conditions for linear ill-posed problems - some new results”</i>
09.00 – 09.30	ROMY KRÄMER (TU Chemnitz, Germany)	<i>“Stabilization of an inverse problem of option pricing by monotonization of the data”</i>
09.30 – 09.35	Short Break	
09.35 – 10.00	SHUAI LU (Radon Inst. Linz, Austria)	<i>“An analysis of Tikhonov regularization for nonlinear ill-posed problems under general smoothness assumptions”</i>
10.00 – 10.25	SVETLANA CHEREDNICHENKO (Radon Inst. Linz, Austria)	<i>“Lavrentiev regularization for state constrained optimal control problems”</i>
10.25– 10.45	Coffee Break	
10.45 – 11.10	NATALIYA METLA (Radon Inst. Linz, Austria)	<i>“Lipschitz stability for mixed constrained optimal control problems”</i>
11.10 – 11.35	MATTHIAS SCHIECK (TU Chemnitz, Germany)	<i>“Distance functions and integral equations of the second kind”</i>
11.35 – 12.00	MARCUS MEYER (TU Chemnitz, Germany)	<i>“Nonlinear iterative regularization – some numerical case studies”</i>
12.00	Conclusions	