

## Detailed Program

**Thursday: September 26<sup>th</sup>**

**Morning session:**

Time	Session/Activity	Chairman
09:00-09:20 am	Opening Ceremony	Jin Cheng
09:20-10:10 am	William Rundell Some new results for inverse eigenvalue problems	
10:10-10:40 am	Hanne Kekkonen Tikhonov regularization in function spaces that are natural to white noise	
<i>10:40-10:50 am</i>	<i>Coffee break</i>	
10:50-11:40 am	Markus Hegland Dilational interpolation inequalities, their theory and application to deconvolution problems	
<i>11:40-13:30 pm</i>	<i>Lunch Break</i> at Fudan University, Danyuan Restaurant 3 <sup>rd</sup> floor	

**Afternoon session:**

Time	Session/Activity	Chairman
13:30-14:20 pm	Ronny Ramlau TBA	Bernd Hofmann
14:20-15:10 pm	Qinian Jin Inexact Newton-Landweber iteration with non- smooth convex penalty terms	
<i>15:10-15:30 pm</i>	<i>Coffee break</i>	
15:30-16:00 pm	Dana Uhlig Copula density estimation as an ill-posed inverse problem	Markus Hegland
16:00-16:30 pm	Min Zhong Multiscale analysis for ill-posed problem with support vector approach	
16:30-17:00 pm	Yu Jiang Recent new progress on the inverse problem for MRE	

**Friday: September 27<sup>th</sup>****Morning session:**

Time	Session/Activity	Chairman
09:00-09:50 am	Samuli Siltanen Regularization for electrical impedance tomography using nonlinear Fourier transform	William Rundell
09:50-10:20 am	Valeriya Naumova Meta-Learning: towards flexibility and adaptivity in regularization	
10:20-10:40 am	<i>Coffee break</i>	
10:40-11:30 am	Peter Mathé Projection schemes for signal detection in statistical inverse problems	
11:30-13:30 pm	<i>Lunch Break</i> at Fudan University, Danyuan Restaurant 3rd floor	

**Afternoon session:**

Time	Session/Activity	Chairman
13:30-14:20 pm	Dinh Nho Hào Determination of the ambient temperature and the heat transfer coefficient in transient heat conduction	Ronny Ramlau
14:20-15:10 pm	Frank Werner Convergence rates for inverse problems with impulsive noise	
15:10-15:30 pm	<i>Coffee break</i>	
15:30-16:00 pm	Yikan Liu Direct and inverse problems for multiple hyperbolic equations and multi-term time-fractional diffusion equations	Samuli Siltanen
16:00-16:30 pm	Wei Wang Multi-parameter Tikhonov regularization with $\ell^0$ sparsity constraint	
16:30-17:00 pm	Kui Lin Bayesian geometric inverse problems arising in groundwater flow	
18:00-21:00 pm	<i>Conference dinner</i> at Gd 365 Restaurant	

**Saturday: September 28<sup>th</sup>****Morning session:**

Time	Session/Activity	Chairman
09:00-09:50 am	Thomas Schuster TBA	Dinh Nho Hào
09:50-10:20 am	Xiang Xu Mathematical analysis in quantifying mechanical properties of nano materials	
10:20-10:40 am	<i>Coffee break</i>	
10:40-11:30 am	Jens Flemming Convergence rates for $l^1$ -regularization without sparsity assumption	
11:30-13:30 pm	<i>Lunch Break</i> at Fudan University, Danyuan Restaurant 3rd floor	

**Afternoon session:**

Time	Session/Activity	Chairman
13:30-14:20 pm	Sergei V Pereverzev Discretized Tikhonov regularization for Robin boundaries localization	Thomas Schuster
14:20-15:10 pm	Stephan W. Anzengruber Convergence rates and numerical considerations for Tikhonov regularization of the Radon transform	
15:10-15:30 pm	<i>Coffee break</i>	
15:30-16:00 pm	Xiliang Lü An active set algorithm for a class of nonconvex nonsmooth sparsity optimization	Robert Plato
16:00-16:30 pm	Felix Lucka Computational and theoretical aspects of $L_1$ -type priors in Bayesian inverse problems	
16:30-17:00 pm	Zhiyuan Li Initial-boundary value problems for diffusion equation with multiple time-fractional derivatives and applications to some inverse problems.	
17:00-17:30 pm	Shuai Lu Parameter identification in non-isothermal nucleation and growth processes	

**Sunday: September 29<sup>th</sup>****Morning session:**

<b>Time</b>	<b>Session/Activity</b>	<b>Chairman</b>
09:00-09:50 am	Robert Plato Quadrature methods for linear first kind Volterra integral equations with noisy data	Sergei V Pereverzev
09:50-10:20 am	Kenichi Fujishiro Non-homogeneous boundary value problems for fractional diffusion equations and their approximate controllability	
<i>10:20-10:40 am</i>	<i>Coffee break</i>	
10:40-11:30 am	Jijun Liu TBA	
11:30-11:40 am	Closure	
<i>11:40-13:30 pm</i>	<i>Lunch Break</i> at Fudan University, Danyuan Restaurant 3rd floor	