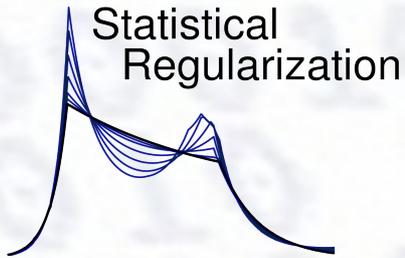The DFG-SNF Research Group FOR916 *"Statistical Regularization"* and the Research Training Group 1023 *"Identification in Mathematical Models"* present a

Statistical Regularization

Lecture Series

on

"The Bayesian Approach to Inverse Problems"

by

Prof. Andrew Stuart
(University of Warwick)

May 29 - 31, 2012

at
Georg-August University Göttingen
Institute for Mathematical Stochastics

May 29, 2012,	10:00-12:00	- Lecture I
	17:00-18:00	- Discussion of Exercises
May 30, 2012,	10:00-12:00	- Lecture II
	17:00-18:00	- Discussion of Exercises
May 31, 2012,	10:00-12:00	- Lecture III
	17:00-18:00	- Discussion of Exercises

Topics:
- Examples of Inverse Problems
- Introduction to the Bayesian Approach
- Well-Posed Bayesian Inverse Problems
- MCMC Methods for the Posterior
- Posterior Consistency

Registration: Please register until February 1st, 2012 with FOR916@stochastik.math.uni-goettingen.de

Venue: Seminar Room 5.101, Institute for Mathematical Stochastics (IMS)
Address: Goldschmidtstr. 7, 37077 Göttingen