

Schedule of the annual Goslar Workshop 2012 of the Graduiertenkolleg 1023

Wednesday, Oct 17

Time	Speaker	<i>Introduced by</i>
	Title	

Block 1. Chair: Gert Lube

10 : 45 – 11 : 30	Benjamin Wacker	<i>Thai Hoang Duy</i>
	Actual developments in large-eddy simulation	

11 : 30 – 12 : 15	Helene Dallmann	<i>Patrik Neumann</i>
	Physically Correct Turbulence Modeling Using the Variational Multiscale Method	

12 : 30	Lunch	
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Block 2. Chair: Thorsten Hohage

13 : 45 – 14 : 30	Helen Schomburg	<i>Thomas Peter</i>
	Fiber Tracking in Diffusion MRI	

14 : 30 – 15 : 15	Carolin Homann	<i>Marius Wischerhoff</i>
	Solving the phase retrieval problem by a iteratively regularized Gauss–Newton method with inner projection iterations	

15 : 15 – 15 : 45	Coffee break	
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Block 3. Chair: Russell Luke

15 : 45 – 16 : 30	Patrik Neumann	<i>Helene Dallmann</i>
	Sparse optimization	

16 : 30 – 17 : 15	Robert Schieweck	<i>Dennis Heinen</i>
	A geometric approach to linear facility location	

17 : 15 – 18 : 00	Thai Hoang Duy	<i>Benjamin Wacker</i>
	Fingerprint image segmentation via total variation	

18 : 30	Dinner	
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Thursday, Oct 18

Time	Speaker	<i>Introduced by</i>
	Title	

Block 4. Chair: Gerlind Plonka-Hoch

09 : 00 – 09 : 45	Marius Wischerhoff	<i>Carolin Homann</i>
	Reconstruction of specially structured, real-valued functions from sparse Fourier sample	

09 : 45 – 10 : 30	Dennis Heinen	<i>Robert Schieweck</i>
	Wavelet shrinkage on paths for denoising of scattered data	

10 : 30 – 11 : 00	Coffee break	
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Block 5. Chair: Gerlind Plonka-Hoch

11 : 00 – 11 : 45	Thomas Peter	<i>Helen Schomburg</i>
	Approximation by M -sparse sums of eigenfunctions of linear operators	

11 : 45 – 12 : 30	Yi Zheng	<i>Kirstin Storkorb</i>
	Relations between discrete total variation and topological persistence	

12 : 30	Lunch	
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14 : 00	General assembly	
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15 : 30	Excursion to Rammelsberg	
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18 : 30	Dinner	
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Friday, Oct 19

Time	Speaker	Introduced by
	Title	

Block 6. Chair: Martin Schlather

09 : 00 – 09 : 45	Kirstin Strokorb	<i>Yi Zheng</i>
	Valid classes of extremal correlation functions	
09 : 45 – 10 : 30	Lars Röhe	
	Understanding Subgrid-Scale-Model Parametric Uncertainty in Large-Eddy-Simulation	

10 : 30 – 11 : 00	Coffee break	
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Block 7. Chair: Felix Kraemer

11 : 00 – 11 : 40	Katrin Wannewetsch	
	Towards a Mathematical Theory of Super-Resolution	
11 : 40 – 12 : 20	Joe-Mei Feng	
	Sobolev Duals for Random Frames and $\Sigma\Delta$ Quantization of Compressed Sensing Measurements	

12 : 30	Lunch	
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