

**Dagstuhl Seminar on
Datamining, Networks and Dynamics
November 5-11, 2011**

Program

Monday, November 7

09:00-09:30	Presentations	
09:30-10:15	David Gleich	<i>Techniques for local and global centrality estimation</i>
10:15-10:45	COFFEE	
10:45-11:30	Chiara Poletto	<i>Multiscale networks and the spatial speed of infectious diseases</i>
11:30-12:15	Berkant Savas	<i>Supervised link prediction using multiple sources</i>

14:45-15:30	Jean-Charles Delvenne	<i>Dynamics on networks for communities and centralities</i>
15:30-16:15	COFFEE	
16:15-17:00	Gerd Stumme	<i>Data mining in online and offline social networks</i>
17:00-17:45	Lars Eldén	<i>Simultaneous clustering of time-evolving graphs</i>

Tuesday, November 8

09:00-09:45	Eiko Yoneki	<i>Wireless epidemic in human dynamic contact networks</i>
10:00-10:45	Boulos Harb	<i>Extracting, searching and discovering the semantics of tables on the web</i>
10:45-11:15	COFFEE	
11:15-12:00	Carlos Castillo	<i>Sparsification of influence networks</i>

14:30-15:15	Lieven De Lathauwer	<i>Block term decompositions and block term analysis</i>
15:15-16:00	COFFEE	
16:00-16:45	Laurent Sorber	<i>Optimization-based algorithms for the decomposition of a tensor in rank-$(L_t, L_t, 1)$ terms</i>
17:00-17:45	Georg Groh	<i>Social dynamics on small spatial and temporal scales: detecting social situations with pragmatic mobile social signal processing</i>

Wednesday, November 9

09:00-09:45	Mariya Ishteva	<i>Low rank nonnegative approximations</i>
10:00-10:45	Boris Khoromskji	<i>Tensor numerical methods for multi-dimensional PDEs: application to parabolic equations</i>
10:45-11:15	COFFEE	
11:15-12:00	Nicolas Boumal	<i>Synchronization of rotations on a graph</i>

14:30-15:15	Rodolphe Sepulchre	<i>Computing with fixed (low) rank matrices: a geometric approach</i>
15:15-16:00	COFFEE	
16:00-16:45	Hannah Bast	<i>Semantic full-text search</i>
17:00-17:45	Daniel Szyld	<i>Matrices with Perron-Frobenius Properties</i>

Thursday, November 10

Common session with other seminar	
09:00-09:45	Inderjit Dhillon <i>Fast and memory-efficient low rank approximation of massive graphs</i>
09:45-10:30	Orly Alter <i>Discovery of mechanisms and prognosis of cancers from matrix and tensor modelling of large-scale molecular biological data</i>
10:30-11:00	COFFEE
11:00-12:15	Blondel Gummadi Holme O'Neill Higham

Excursion to Trier starts at 1 pm and returns at 6pm.

Friday, November 11

09:00-09:45	Alexander Smola	<i>Scalable distribution inference in large latent variable models</i>
10:00-10:45	Matthias Bolten	<i>Multigrid methods for circulant and Toeplitz matrices and their application to queueing networks</i>
10:45-11:15	COFFEE	
11:15-12:00	Karsten Kahl	<i>Bootstrap Algebraic Multigrid for Markov Chains</i>