FSTTCS 2013 Program

Thursday, December 12, 2013		
8:00 – 9:00	**Registration**	
9:00 - 10:00	**Invited Talk** *Martin Hofmann* **- Computing with a fixed number of pointers**	
10:00 - 10:30	**Tea/Coffee Break**	
10:30 - 12:30	**Session 1A**	**Session 1B**
	Robert Crowston, Mark Jones, Gabriele Muciaccia, Geevarghese Philip, Ashutosh Rai and Saket Saurabh. *Polynomial Kernels for lambda-extendible Properties Parameterized Above the Poljak-Turzik Bound*	Pierre Clairambault and Andrzej Murawski. *Böhm Trees as Higher-Order Recursive Schemes*
	Henning Fernau, Markus L. Schmid and Yngve Villanger. *On the Parameterised Complexity of String Morphism Problems*	Sylvain Salvati and Igor Walukiewicz. *Evaluation is MSOL-compatible*
	Manu Basavaraju, Mathew C. Francis, Ramanujan M. S. and Saket Saurabh. *Partial Kernels for Set Cover and Test Cover*	Axel Haddad. *Model Checking and Functional Program Transformations*
	Rajesh Chitnis, Fedor Fomin and Petr Golovach. *Parameterized Complexity of the Anchored k-Core Problem for Directed Graphs*	Georgel Calin, Egor Derevenetc, Rupak Majumdar and Roland Meyer. *A Theory of Partitioned Global Address Spaces*
12:30 - 14:00	**Lunch Break**	

14:00 - 15:00	**Invited Talk**	
	Kazushige Terui – **Intersection types for normalization and verification**	
15:00 - 15:10	**Short Break**	
15:10 - 16:10	**Session 2A**	**Session 2B**
	Prahladh Harsha and Rahul Jain. *A strong direct product theorem for the tribes function via the smooth-rectangle bound*	A Baskar, Prasad Naldurg, Raghavendra K. R. and S P Suresh. *Primal infon logic: derivability in polynomial time*
	L. Sunil Chandran and Deepak Rajendraprasad. *Inapproximability of Rainbow Colouring*	Igor Potapov. *Composition problems for braids*
16:10 - 16:40	**Tea/Coffee Break**	
16:40 - 17:40	**Session 3A**	**Session 3B**
	Andreas Krebs and Nutan Limaye. *DLOGTIME proof systems*	S. Akshay, Ionut Dinca, Blaise Genest and Alin Stefanescu. *Implementing Realistic Asynchronous Automata*
	Srikanth Srinivasan. *On improved degree lower bounds for polynomial approximation*	Javier Esparza, Loig Jezequel and Stefan Schwoon. *Computation of summaries using net unfoldings*
17:45 - 18:30	**Business Meeting**	

Friday, December 13, 2013	
9:00 - 10:00	**Invited Talk** *Venkatesan Guruswami* – **Polar codes: reliable communication with complexity polynomial in the gap to Shannon capacity**
10:00 - 10:30	**Tea/Coffee Break**
10:30 - 12:30	**Session 4A** **Session 4B**

	Session 4A	Session 4B
	Prachi Goyal, Neeldhara Misra and Fahad Panolan. *Faster Deterministic Algorithms for r-Dimensional Matching Using Representative Sets*	Bastien Maubert and Sophie Pinchinat. *Jumping Automata for Uniform Strategies*
	Archita Agarwal, Venkatesan Chakaravarthy, Anamitra Roy Choudhury, Sambuddha Roy and Yogish Sabharwal. *Distributed and Parallel Algorithms for Set Cover Problems with Small Neighborhood Covers*	Nathanaël Fijalkow, Sophie Pinchinat and Olivier Serre. *Emptiness Of Alternating Tree Automata Using Games With Imperfect Information*
	Sonika Arora, Venkatesan Chakaravarthy, Neelima Gupta, Koyel Mukherjee and Yogish Sabharwal. *Replica Placement via Capacitated Vertex Cover*	Matthew Hague. *Saturation of Concurrent Collapsible Pushdown Systems*
	Venkatesan Chakaravarthy, Anamitra Roy Choudhury, Sivaramakrishnan Natarajan and Sambuddha Roy. *Knapsack Cover subject to a Matroid Constraint*	Christof Löding and Stefan Repke. *Decidability Results on the Existence of Lookahead Delegators for NFA*

12:30 - 14:00	**Lunch Break**

14:00 - 15:00	**Invited Talk** *Stephan Kruetzer* – **Characterisations of nowhere dense graphs**	
15:00 - 15:10	**Short Break**	
15:10 - 16:10	**Session 5A**	**Session 5B**
	Chien-Chung Huang, Telikepalli Kavitha, Kurt Mehlhorn and Dimitrios Michail. *Fair Matchings and Related Problems*	Thomas Place, Lorijn van Rooijen and Marc Zeitoun. *Separating Regular Languages by Locally Testable and Locally Threshold Testable Languages*
	Jian Li and Zeyu Zhang. *Ranking with Diverse Intents and Correlated Contents*	Andreas Holzer, Christian Schallhart, Michael Tautschnig and Helmut Veith. *On the Structure and Complexity of Rational Sets of Regular Languages*
16:10 - 16:40	**Tea/Coffee Break**	
	Session 6A	**Session 6B**
	Mario Consuegra and Giri Narasimhan. *Geometric Avatar Problems*	Tim Smith. *On Infinite Words Determined by Stack Automata*
	Parinya Chalermsook and Suresh Venkatasubramanian. *Clustering with center constraints*	Olivier Bodini, Antoine Genitrini and Frederic Peschanski. *The Combinatorics of Non-determinism*
18:00 - 19:30	**Cultural Event**	
19:30 - 22:00	**Conference Banquet**	

Saturday, December 14, 2013		
9:00 - 10:00	**Invited Talk** *Subhash Khot* – **On approximation resistance of predicates**	
10:00 - 10:30	**Tea/Coffee Break**	
10:30 - 12:30	**Session 7A**	**Session 7B**
	Barna Saha. *Renting a Cloud*	Tomas Brazdil, Taolue Chen, Vojtech Forejt, Petr Novotný and Aistis Simaitis. *Solvency Markov Decision Processes with Interest*
	Evripidis Bampis, Alexander Kononov, Dimitrios Letsios, Giorgio Lucarelli and Maxim Sviridenko. *Energy Efficient Scheduling and Routing via Randomized Rounding*	Nathalie Bertrand and Paulin Fournier. *Parameterized verification of many identical probabilistic timed processes*
	Kamyar Khodamoradi, Ramesh Krishnamurti, Arash Rafiey and Georgios Stamoulis. *PTAS for Ordered Instances of Resource Allocation Problems*	Piotr Hofman, Sławomir Lasota, Richard Mayr and Patrick Totzke. *Simulation Over One-counter Nets is PSPACE-Complete*
	Florin Manea, Mike Müller and Dirk Nowotka. *On the Pseudoperiodic Extension of $u^\ell = v^mw^n$*	Stefan Haar, Serge Haddad, Tarek Melliti and Stefan Schwoon. *Optimal Constructions for Active Diagnosis*
12:30 - 14:00	**Lunch**	
Conference Ends		