

## Sunday, January 27, 2019

9:00 - 10:30	<b>invited talk</b> <i>Flavio Chierichetti (Sapienza University of Rome)</i> LSH, Similarities and Distortion	
11:00 - 11:25	<i>Shantanu Das, Giuseppe Antonio Di Luna and Leszek Gasieniec</i> Patrolling on Dynamic Ring Networks	<i>Henning Fernau, Lakshmanan Kuppusamy and Indhumathi Raman</i> On Matrix Ins-Del Systems of Small Sum-Norm
11:25 - 11:50	<i>Dorota Osula</i> Minimizing the Cost of Team Exploration	<i>Raffaello Carosi, Simone Fioravanti, Luciano Gualà and Gianpiero Monaco</i> Coalition Resilient Outcomes in Max k-Cut Games
11:50 - 12:15	<i>Shantanu Das, Nikos Giachoudis, Flaminia Luccio and Euripides Markou</i> Gathering of Robots in a Grid with Mobile Faults	<i>Neeldhara Misra and Chinmay Sonar</i> Determining Robustness of Multiwinner Rules on Restricted Domains
15:30 - 17:00	<b>invited talk</b> <i>Francesco Bonchi (ISI Foundation)</i> Distance-based community search	
17:15 - 17:40	<i>Indranil Banerjee, Dana Richards and Igor Shinkar</i> Sorting Networks On Restricted Topologies	<i>Julien Baste, Didem Gözüpek, Mordechai Shalom and Dimitrios Thilikos</i> Minimum Reload Cost Graph Factors
17:40 - 18:05	<i>Hiroataka Ono and Hisato Yamanaka</i> A 9-approximation algorithm for $L(2,1)$ -labeling of unit disk graphs	<i>Sebastiaan B. van Rooij and Johan M. M. van Rooij</i> Algorithms and complexity results for the capacitated vertex cover problem
18:05 - 18:30	<i>Mattia D'Émidio, Gabriele Di Stefano and Alfredo Navarra</i> Priority Scheduling in Bamboo Garden Trimming Problem	<i>Michael Kaufmann</i> On Point-Set-Embeddings for $k$ -planar graphs with a few bends per edge

Monday, January 28, 2019

9:00 - 10:30	<b>invited talk</b> <i>Miroslaw Staron (University of Gothenburg)</i> Action Research in Software Engineering: Metrics' Research Perspective	
11:00 - 11:25	<i>Lane A. Hemaspaandra and David Narváez</i> Existence versus Exploitation: The Opacity of Backdoors and Backbones Under a Weak Assumption.	<i>Martin Labaj, Karol Rástočný and Daniela Chudá</i> Towards Automatic Comparison of Cloud Service Security Certifications
11:25 - 11:50	<i>Miloš Chromý and Petr Kucera</i> Phase Transition in Matched Formulas and a Heuristic for Biclique Satisfiability	<i>Maciej Skorski</i> Simple Root Cause Analysis by Separable Likelihoods
11:50 - 12:15	<i>Jouke Witteveen, Ralph Bottesch and Leen Torenvliet</i> A Hierarchy of Polynomial Kernels	<i>Matúš Pikuliak, Marián Šimko and Maria Bielikova</i> Towards Combining Multitask and Multilingual Learning
15:30 - 16:30	<b>SRF</b> presentations	
16:30 - 17:30	<b>SRF</b> poster session	

Tuesday, January 29, 2019

9:00 - 10:30	<b>invited talk</b> <i>Martin Theobald (University of Luxembourg)</i> From Big Data to Big Knowledge: Large-Scale Information Extraction based on Statistical Methods	
11:00 - 11:25	<i>Hans L. Bodlaender, Marieke van der Wegen and Tom C. van der Zanden</i> Stable divisorial gonality is in NP	<i>Isela Mendoza, Uéverton Souza, Marcos Kalinowski, Ruben Interian and Leonado Murta</i> An Efficient Algorithm for Combining Verification & Validation Methods
11:25 - 11:50	<i>Nils Donselaar</i> Probabilistic Parameterized Polynomial Time	<i>Mahsa Varshosaz and Mohammadreza Mousavi</i> Comparative Expressiveness of Product Line Calculus of Communicating Systems and 1-Selecting Modal Transition Systems
11:50 - 12:15	<i>Manoj Gupta, Hitesh Kumar and Neeldhara Misra</i> On the Complexity of Optimal Matching Re-configuration	

Wednesday, January 30, 2019

9:00 - 10:30	<b>invited talk</b> <i>Uwe Assmann (TU Dresden)</i> Cross-Layer Adaptation in Multi-Layer Autonomic Systems	
11:00 - 11:25	<i>Friedrich Otto and Benedek Nagy</i> Two-Head Finite-State Acceptors with Translucent Letters	<i>Nikolajs Nahimovs</i> Lackadaisical quantum walks with multiple marked vertices
11:25 - 11:50	<i>Tomoyuki Yamakami</i> Simple Relationships among Limited Finite Automata of Various Types	<i>Chong Gao, Taolue Chen and Zhilin Wu</i> Separation Logic with Linearly Compositional Inductive Predicates and Set Data Constraints
11:50 - 12:15	<i>Martin Raszyk</i> On the Size of Logical Automata	<i>Ali Parsai and Serge Demeyer</i> Do Null-Type Mutation Operators Help Prevent Null-Type Faults?
15:30 - 17:00	<b>invited talk</b> <i>Christos Kapoutsis (Carnegie Mellon University in Qatar)</i> Minicomplexity - Some motivation, some history, and some structure	
17:15 - 17:40	<i>Ferdinando Cicalese, Zsuzsanna Liptak and Massimiliano Rossi</i> On Infinite Prefix Normal Words	<i>Roland Molontay and Kitti Varga</i> On the complexity of color-avoiding site and bond percolation
17:40 - 18:05	<i>Vladislav Makarov and Alexander Okhotin</i> On the expressive power of $GF(2)$ -grammars	<i>Christian Komusiewicz and Frank Sommer</i> Enumerating Connected Induced Subgraphs: Improved Delay and Experimental Comparison
18:05 - 18:30	<i>Martin Kutrib and Matthias Wendlandt</i> Multi-Stranded String Assembling Systems	<i>Frank Gurski and Carolin Rehs</i> Forbidden Directed Minors, Directed Path-Width and Directed Tree-Width of Tree-like Digraphs