

**Monday**

	Room A	Room B	Room C
08:00	Registration		
08:50	Opening		
	Session Chair: Erzsébet Csuhaj-Varjú		
09:00	Invited Talk: Krishnendu Chatterjee <i>Partial-observation Stochastic Reachability and Parity Games</i>		
10:00	Coffee break		
	Session Chair: Kristoffer Arnsfelt Hansen		Session Chair: Antonio Restivo
10:30	Petr Golovach  <i>Editing to a Connected Graph of Given Degrees</i>		Cewei Cui, Zhe Dang, Thomas R. Fischer and Oscar Ibarra  <i>Information Rate of Some Classes of Non-Regular Languages: An Automata-Theoretic Approach</i>
10:55	Marek Cygan, Dániel Marx, Marcin Pilipczuk and Michal Pilipczuk  <i>Hitting Forbidden Subgraphs in Graphs of Bounded Treewidth</i>		Andrzej Murawski, Steven Ramsay and Nikos Tzevelekos  <i>Reachability in Pushdown Register Automata</i>
11:20	Stefan Fafianie and Stefan Kratsch  <i>Streaming Kernelization</i>		Tim Smith  <i>On Infinite Words Determined by Indexed Languages</i>
11:45	Ramanujan M. S., Sudeshna Kolay, Pranabendu Misra and Saket Saurabh  <i>Parameterized Approximations via <math>d</math>-Skew Symmetric Multicut</i>		Salvatore La Torre, Margherita Napoli and Gennaro Parlato  <i>A Unifying Approach for Multistack Pushdown Automata</i>
12:10	Lunch		
	Session Chair: Ian Munro	Session Chair: Bodo Manthey	Session Chair: Zoltán Ésik
14:00	Tetsuo Asano, David Kirkpatrick, Koutaro Nakagawa and Osamu Watanabe  <i><math>O(\sqrt{n})</math>-Space and Polynomial-Time Algorithm for the Planar Directed Graph Reachability</i>	Peter Jonsson and Johan Thapper  <i>Affine Consistency and the Complexity of Semilinear Constraints</i>	Viliam Geffert and Alexander Okhotin  <i>Transforming Two-Way Alternating Finite Automata to One-Way Nondeterministic Automata</i>
14:25	Ivona Bezakova and Zachary Langley  <i>Minimum Planar Multi-Sink Cuts with Connectivity Priors</i>	Nicolas Delfosse, Zhentao Li and Stéphan Thomassé  <i>A Note on the Minimum Distance of Quantum LDPC Codes</i>	Christian Choffrut and Bruno Guillon  <i>An Algebraic Characterization of Unary Two-Way Transducers</i>
14:50	Stefan Felsner, Kolja Knauer, George Mertzios and Torsten Ueckerdt  <i>Intersection Graphs of <math>L</math>-Shapes and Segments in the Plane</i>	Hartmut Klauck and Supartha Podder  <i>Two Results about Quantum Messages</i>	Sven Schewe and Thomas Methrayil Varghese  <i>Determinising Parity Automata</i>
15:15	Matteo Pontecorvi, Vijaya Ramachandran and Meghana Nasre  <i>Betweenness Centrality - Incremental and Faster</i>	Thomas Decker, Gábor Ivanyos, Raghav Kulkarni, Youming Qiao and Miklos Santha  <i>An Efficient Quantum Algorithm for Finding Hidden Parabolic Subgroups in the General Linear Group</i>	Namit Chaturvedi and Marcus Gelderie  <i>Classifying Recognizable Infinitary Trace Languages Using Word Automata</i>
15:40	Coffee break		
	Session Chair: Valentine Kabanets	Session Chair: Dániel Marx	Session Chair: Dietrich Kuske
16:10	Kristoffer Arnsfelt Hansen, Balagopal Komarath, Jayalal Sarma, Sven Skyum and Navid Talebanfard  <i>Circuit Complexity of Properties of Graphs with Constant Planar Cutwidth</i>	Georgios Stamoulis  <i>Approximation Algorithms for Bounded Color Matchings via Convex Decompositions</i>	Nathanaël Fijalkow and Charles Paperman  <i>Monadic Second-Order Logic with Arbitrary Monadic Predicates</i>
16:35	Joan Boyar and Magnus Gausdal Find  <i>The Relationship Between Multiplicative Complexity and Nonlinearity</i>	Maurits de Graaf and Bodo Manthey  <i>Probabilistic Analysis of Power Assignments</i>	Filip Mazowiecki, Filip Murlak and Adam Witkowski  <i>Monadic Datalog and Regular Tree Pattern Queries</i>
17:00	Beate Bollig  <i>On the Complexity of Some Ordering Problems</i>	Hadas Shachnai, Ariella Voloshin and Shmuel Zaks  <i>Flexible Bandwidth Assignment with Application to Optical Networks</i>	Yijia Chen and Moritz Mueller  <i>Bounded Variable Logic, Parameterized Logarithmic Space, and Savitch's Theorem</i>
17:25	Andris Ambainis and Krišjānis Prūsis  <i>A Tight Lower Bound on Certificate Complexity in Terms of Block Sensitivity and Sensitivity</i>	Christian Glasser and Maximilian Witek  <i>Autoreducibility and Mitoticity of Logspace-Complete Sets for NP and Other Classes</i>	Pierre Bourhis, Michael Morak and Andreas Pieris  <i>Towards Efficient Reasoning Under Guarded-Based Disjunctive Existential Rules</i>
19:00	Welcome party at Hotel Mercure Budapest Buda		

Tuesday

	Room A	Room B	Room C
09:00	Session Chair: Zoltán Ésik Invited Talk: Achim Jung <i>A Modal Belnap Logic</i>		
10:00	Coffee break		
10:30	Session Chair: Ian Munro Invited Talk: Peter Bro Miltersen <i>Computer Poker and Computational Game Theory</i>		
11:30	Session Chair: Martin Dietzfelbinger Presentation of the Best Paper Award <i>Eric Allender and Bireswar Das : Zero Knowledge and Circuit Minimization</i>		
12:00	Lunch		
14:00	Session Chair: Vijaya Ramachandran Othon Michail and Paul Spirakis <i>Traveling Salesman Problems in Temporal Graphs</i>	Session Chair: Christian Choffrut Julien Cassaigne, Frid Anna, Svetlana Puzynina and Luca Zamboni <i>Subword Complexity and Decomposition of the Set of Factors</i>	Session Chair: Werner Kuich Daniel Bundala and Joel Ouaknine <i>Advances in Parametric Real-Time Reasoning</i>
14:25	Nils Kriege and Petra Mutzel <i>Finding Maximum Common Biconnected Subgraphs in Series-Parallel Graphs</i>	Florin Manea, Mike Müller, Dirk Nowotka and Shinnosuke Seki <i>Generalised Lyndon-Schützenberger Equations</i>	Galina Jiraskova and Tomas Masopust <i>On Upper and Lower Bounds on the Length of Alternating Towers</i>
14:50	Rémy Belmonte, Pim Van 'T Hof, Marcin Kamiński and Daniel Paulusma <i>Forbidden Induced Subgraphs and the Price of Connectivity for Feedback Vertex Set</i>	Yuto Nakashima, Takashi Okabe, Tomohiro I, Shunsuke Inenaga, Hideo Bannai and Masayuki Takeda <i>Inferring Strings from Lyndon factorization</i>	Tim Smith <i>A Pumping Lemma for Two-Way Finite Transducers</i>
15:15	Carl Feghali, Matthew Johnson and Daniel Paulusma <i>A Reconfigurations Analogue of Brook's Theorem</i>	Arturo Carpi, Gabriele Fici, Stepan Holub, Jakub Oprsal and Marinella Sciortino <i>Universal Lyndon Words</i>	Timo Jolivet and Jarkko Kari <i>Undecidable Properties of Self-Affine Sets and Multi-Tape Automata</i>
15:40	Coffee break		
16:10	Session Chair: Eric Allender Gergely Kovásznai, Helmut Veith, Andreas Fröhlich and Armin Biere <i>On the Complexity of Symbolic Verification and Decision Problems in Bit-Vector Logic</i>	Session Chair: Krishnendu Chatterjee Thomas Colcombet, Laure Daviaud and Florian Zuleger <i>Size-Change Abstraction and Max-Plus Automata</i>	Session Chair: Masayuki Takeda Julien Cassaigne, Gabriele Fici, Luca Quadro Zamboni and Marinella Sciortino <i>Cyclic Complexity of Words</i>
16:35	Olaf Beyersdorff, Leroy Chew and Mikolas Janota <i>On Unification of QBF Resolution-Based Calculi</i>	Ines Marusic and James Worrell <i>Complexity of Equivalence and Learning for Multiplicity Tree Automata</i>	Marcello M. Bersani, Matteo Rossi and Pierluigi San Pietro <i>Logic Characterization of Timed (Non-)Regular Languages</i>
17:00	Dmitry Itsykson and Dmitry Sokolov <i>Lower Bounds for Splittings by Linear Combinations</i>	Jean-Baptiste Courtois and Sylvain Schmitz <i>Alternating Vector Addition Systems with States</i>	Michał Wrona <i>Tractability Frontier for Dually-Closed Ord-Horn Quantified Constraint Satisfaction Problems</i>
17:25	Peter Jonsson, Victor Lagerkvist, Johannes Schmidt and Hannes Uppman <i>Relating the Time Complexity of Optimization Problems in Light of the Exponential-Time Hypothesis</i>		

Wednesday

Room A

Room B

Room C

	Session Chair: Kristoffer Arnsfelt Hansen	
09:00	Invited Talk: Christian Sohler <i>What Does the Local Structure of a Planar Graph Tell Us about its Global Structure?</i>	
10:00	Coffee break	
	Session Chair: Christian Choffrut	
10:30	Invited Talk: Cyril Nicaud <i>Random Deterministic Automata</i>	
	Session Chair: Erzsébet Csuhaj-Varjú	
11:30	Presentation of the Best Student Paper Award: <i>Thomas Zeume : The Dynamic Descriptive Complexity of k-Clique</i>	
12:00	Lunch	
16:00	Social event: Sightseeing tour	
19:00	Social event: Banquet	

Thursday

	Room A	Room B	Room C
09:00	Session Chair: Eric Allender		
	Invited Talk: Alexander Sherstov <i>Communication Complexity Theory: Thirty-Five Years of Set Disjointness</i>		
10:00	Coffee break		
10:30	Session Chair: Peter Bro Miltersen		Session Chair: Cyril Nicaud
	Vittorio Bilo', Angelo Fanelli, Michele Flammini, Gianpiero Monaco and Luca Moscardelli <i>The Price of Envy-Freeness in Machine Scheduling</i>		Wied Pakusa, Erich Grädel, Faried Abu Zaid and Martin Grohe <i>Choiceless Polynomial Time on Structures with Small Abelian Colour Classes</i>
10:55	Julie De Pril, János Flesch, Jeroen Kuipers, Gijs Schoenmakers and Koos Vrieze <i>Existence of Secure Equilibrium in Multi-Player Games with Perfect Information</i>		Kord Eickmeyer, Michael Elberfeld and Frederik Harwath <i>Expressivity and Succinctness of Order-Invariant Logics on Depth-Bounded Structures</i>
11:20	Akaki Mamageishvili, Matus Mihalak and Simone Montemezzani <i>An <math>H_{\{n/2\}}</math> Upper Bound on the Price of Stability of Undirected Network Design Games</i>		Antti Kuusisto and Emanuel Kieronski <i>Complexity and Expressivity of Uniform One-Dimensional Fragment with Equality</i>
11:45	Jiehua Chen, Piotr Faliszewski, Rolf Niedermeier and Nimrod Talmon <i>Combinatorial Voter Control in Elections</i>		Abhisekh Sankaran, Bharat Adsul and Supratik Chakraborty <i>A Generalization of the Łoś-Tarski Preservation Theorem over Classes of Finite Structures</i>
12:10	Lunch		
14:00	Session Chair: Alexander Sherstov	Session Chair: Petr Golovach	Session Chair: Achim Jung
	Josep Diaz and George Mertzios <i>Minimum Bisection is NP-hard on Unit Disk Graphs</i>	Ron Y. Pinter, Hadas Shachnai and Meirav Zehavi <i>Deterministic Parameterized Algorithms for the Graph Motif Problem</i>	Martin Lang, Christof Löding and Amaldev Manuel <i>Definability and Transformations for Cost Logics and Automatic Structures</i>
14:25	Jan Kratochvíl, Jan Arne Telle and Marek Tesaf <i>Computational Complexity of Covering Three-Vertex Multigraphs</i>	Leizhen Cai and Junjie Ye <i>Dual Connectedness of Edge-Bicolored Graphs and Beyond</i>	Furio Honsell, Luigi Liquori and Ivan Scagnetto <i>LLFP: Side Conditions and External Evidence as Monads</i>
14:50	Shuichi Hirahara and Akitoshi Kawamura <i>On Characterizations of Randomized Computation Using Plain Kolmogorov Complexity</i>	Hasan Abasi, Nader Bshouty, Ariel Gabizon and Elad Haramaty <i>On <math>r</math>-Simple <math>k</math>-Path</i>	Jesus Dominguez and Maribel Fernandez <i>Relating Nominal and Higher-Order Rewriting</i>
15:15	Vyas Ram Selvam <i>The Two Queries Assumption and Arthur-Merlin Classes</i>	Ruiwen Chen, Valentine Kabanets and Nitin Saurabh <i>An Improved Deterministic #SAT Algorithm for Small De Morgan Formulas</i>	Tomasz Gogacz, Henryk Michalewski, Matteo Mio and Michał Skrzypczak <i>Measure Properties of Game Tree Languages</i>
15:40	Coffee break		
16:10	Session Chair: Christian Glasser	Session Chair: Christian Sohler	Session Chair: Alexander Okhotin
	Matthew Johnson, Daniel Paulusma and Anthony Stewart <i>Knocking Out <math>P_k</math>-Free Graphs</i>	Moshe Lewenstein, Ian Munro, Yakov Nekrich and Sharma V. Thankachan <i>Document Retrieval with One Wildcard</i>	Martin Huschenbett, Dietrich Kuske and Georg Zetsche <i>The Monoid of Queue Actions</i>
16:35	Ivan Kováč, Ivana Selečéniová and Monika Steinová <i>On the Clique Editing Problem</i>	Chien-Chung Huang and Sebastian Ott <i>New Results for Non-Preemptive Speed Scaling</i>	Marie-Pierre Béal, Michel Blockeet and Catalin Dima <i>Sofic-Dyck Shifts</i>
17:00	René Van Bevern, Robert Brederick, Jiehua Chen, Vincent Froese, Rolf Niedermeier and Gerhard Woeginger <i>Network-Based Dissolution</i>	Thomas Erlebach, Michael Hoffmann and Frank Kammer <i>Query-Competitive Algorithms for Cheapest Set Problems under Uncertainty</i>	Sven Schewe and Thomas Methrayil Varghese <i>Tight Bounds for Complementing Parity Automata</i>
17:25	Jeremy Kun and Lev Reyzin <i>On Coloring Resilient Graphs</i>	Riko Jacob, Tobias Lieber and Nodari Sitchinava <i>On the Complexity of List Ranking in the Parallel External Memory Model</i>	

## Friday

## Room A

## Room B

## Room C

	Session Chair: Martin Dietzfelbinger	
09:00	Invited Talk: Dániel Marx <i>Every Graph is Easy Or Hard: Dichotomy Theorems for Graph Problems</i>	
10:00	Coffee break	
	Session Chair: Martin Dietzfelbinger	Session Chair: Marie-Pierre Béal
10:30	Nathanaël Fijalkow, Hugo Gimbert, Florian Horn and Youssouf Oualhadj <i>Two Recursively Inseparable Problems for Probabilistic Automata</i>	Angelo Montanari, Gabriele Puppis and Pietro Sala <i>Decidability of the Interval Temporal Logic <math>AA</math> <math>BB^*</math> over the Rationals</i>
10:55	Akitoshi Kawamura and Hiroyuki Ota <i>Small Complexity Classes for Computable Analysis</i>	Roy Mennicke <i>Model Checking Concurrent Recursive Programs using Local Temporal Logics</i>
11:20	Eric Allender, Nikhil Balaji and Samir Datta <i>Low-Depth Uniform Threshold Circuits and the Bit-Complexity of Straight Line Programs</i>	Achim Blumensath, Thomas Colcombet and Olivier Carton <i>Asymptotic Monadic Second-Order Logic</i>
11:45	Suryajith Chillara and Partha Mukhopadhyay <i>On the Limits of Depth Reduction at Depth-3 over Small Finite Fields</i>	Florian Bruse <i>Alternating Parity Krivine Automata</i>
12:10	Closing	
12:20	Lunch	