

08:15	Registration	2nd floor
08:45	Opening	Small Hall
09:00	Invited talk <i>Ron Shamir: Gene Regulation, Protein Networks and Disease – A Computational Perspective</i>	chair <i>Jens Stoye</i> , Small Hall
10:00	Coffee break	4th floor
10:20	CPM session <i>Maxime Crochemore, Costas S. Iliopoulos, Tomasz Kociumaka, Marcin Kubica, Jakub Radoszewski, Wojciech Rytter, Wojciech Tyczyński and Tomasz Waleń:</i> The Maximum Number of Squares in a Tree <i>Aïda Ouangraoua and Mathieu Raffinot:</i> Faster and Simpler Minimal Conflicting Set Identification <i>Sharon Bruckner, Falk Hüffner, Christian Komusiewicz, Rolf Niedermeier, Sven Thiel and Johannes Uhlmann:</i> Partitioning into Colorful Components by Minimum Edge Deletions <i>Dmitry Blokh, Danny Segev and Roded Sharan:</i> Approximation Algorithms and Hardness Results for Shortest Path Based Graph Orientations	chair <i>Ferdinando Cicalese</i> , Small Hall
12:00	Lunch	
14:00	CPM session <i>Dany Breslauer, Leszek Gąsieniec and Roberto Grossi:</i> Constant-Time Word-Size String Matching <i>Markus Jalsenius, Raphael Clifford, Benjamin Sach and Ely Porat:</i> Pattern Matching in Multiple Streams <i>Omar AitMous, Frédérique Bassino and Cyril Nicaud:</i> An Efficient Linear Pseudo-minimization Algorithm for Aho-Corasick Automata <i>Christian Hundt and Florian Wendland:</i> Efficient Two-Dimensional Pattern Matching with Scaling and Rotation and Higher-Order Interpolation	chair <i>Gregory Kucherov</i> , Small Hall
15:40	Coffee break	4th floor
16:00	CPM session <i>Guillaume Blin, Laurent Bulteau, Minghui Jiang, Pedro J. Tejada and Stéphane Vialette:</i> Hardness of Longest Common Subsequence for Sequences with Bounded Run-Lengths <i>Ferdinando Cicalese, Eduardo Laber, Oren Weimann and Raphael Yuster:</i> Near Linear Time Construction of an Approximate Index for All Maximum Consecutive Sub-sums of a Sequence <i>Anne Condon, Ján Maňuch and Chris Thachuk:</i> The Complexity of String Partitioning	chair <i>Gad M. Landau</i> , Small Hall
17:15	<i>Johannes Fischer: CPM 2013</i>	
18:00	CPM reception	Lehtisali

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08:45	Opening		Small Hall	
09:00	Invited talk — <i>Gonzalo Navarro</i> : Wavelet Trees for All		chair <i>Juha Kärkkäinen</i> , Small Hall	
10:00	Coffee break		2nd & 4th floor	
10:20	CPM session	chair <i>Roberto Grossi</i> , Hall 1	SWAT session	chair <i>Peter Widmayer</i> , Small Hall
	<i>Wing-Kai Hon, Rahul Shah and Sharma V. Thankachan</i> : Towards an Optimal Space-and-Query-Time Index for Top-k Document Retrieval		<i>Mohammad Ghodsi, Anil Maheshwari, Mostafa Nouri, Jörg-Rüdiger Sack and Hamid Zarrabi-Zadeh</i> : α-Visibility	
	<i>Wing-Kai Hon, Rahul Shah, Sharma V. Thankachan and Jeffrey Scott Vitter</i> : Document Listing for Queries with Excluded Pattern		<i>Jessica Sherette and Carola Wenk</i> : Partial Matching between Surfaces Using Fréchet Distance	
	<i>Gregory Kucherov, Yakov Nekrich and Tatiana Starikovskaya</i> : Cross-Document Pattern Matching		<i>Takehiro Ito, Shin-Ichi Nakano, Yoshio Okamoto, Yota Otachi, Ryuhei Uehara, Takeaki Uno and Yushi Uno</i> : A Polynomial-Time Approximation Scheme for the Geometric Unique Coverage Problem on Unit Squares	
	<i>Michael P. Ferguson</i> : FEMTO: Fast Search of Large Sequence Collections		<i>Adrian Dumitrescu, Joseph S. B. Mitchell and Paweł Żyliński</i> : Watchman Routes for Lines and Segments	
12:00	Lunch			
14:00	CPM session	chair <i>Simon J. Puglisi</i> , Hall 1	SWAT session	chair <i>Bengt J. Nilsson</i> , Small Hall
	<i>Keisuke Goto, Hideo Bannai, Shunsuke Inenaga and Masayuki Takeda</i> : Speeding Up q-Gram Mining on Grammar-Based Compressed Texts		<i>Andreas Gemsa, D. T. Lee, Chih-Hung Liu and Dorothea Wagner</i> : Higher Order City Voronoi Diagrams	
	<i>Paweł Gawrychowski</i> : Simple and Efficient LZW-Compressed Multiple Pattern Matching		<i>Mohammad Ali Abam, Zahed Rahmati and Alireza Zarei</i> : Kinetic Pie Delaunay Graph and its Applications	
	<i>Enno Ohlebusch, Timo Beller and Mohamed I. Abouelhoda</i> : Computing the Burrows-Wheeler Transform of a String and its Reverse		<i>Babak Behsaz and Mohammad R. Salavatipour</i> : On Minimum Sum of Radii and Diameters Clustering	
	<i>Wing-Kai Hon, Tsung-Han Ku, Chen-Hua Lu, Rahul Shah and Sharma V. Thankachan</i> : Efficient Algorithm for Circular Burrows-Wheeler Transform		<i>Tomas Hruz and Marcel Schöngens</i> : A Simple Framework for the Generalized Nearest Neighbor Problem	
15:40	Coffee break		2nd & 4th floor	
16:00	CPM session	chair <i>Johannes Fischer</i> , Hall 1	SWAT session	chair <i>Esko Ukkonen</i> , Small Hall
	<i>Niko Välimäki</i> : Least Random Suffix/Prefix Matches in Output-Sensitive Time		<i>Marek Cygan</i> : Deterministic Parameterized Connected Vertex Cover	
	<i>Djamal Belazzougui and Rossano Venturini</i> : Compressed String Dictionary Look-up with Edit Distance One		<i>Esha Ghosh, Sudeshna Kolay, Mrinal Kumar, Pranabendu Misra, Fahad Panolan, Ashutosh Rai and M. S. Ramanujan</i> : Faster Parameterized Algorithms for Deletion to Split Graphs	
	<i>Philip Bille, Inge Li Gørtz, Benjamin Sach and Hjalte Wedel Vildhøj</i> : Time-Space Trade-Offs for Longest Common Extensions		<i>Eun Jung Kim, Christophe Paul and Geevarghese Philip</i> : A Single-Exponential FPT Algorithm for K_4-minor Cover Problem	
17:15			<i>Philip Bille and Inge Li Gørtz</i> : SWAT 2014	
17:45	CPM excursion, boarding starts	Market Square		
18:00	CPM excursion, boat departs	Market Square	SWAT reception	Lehtisali
20:00	CPM banquet	Suomenlinna		
23:45	CPM excursion ends	Market Square		

09:00	Invited talk — <i>Joseph S. B. Mitchell</i> : Visibility Coverage Tours	chair <i>Valentin Polishchuk</i> , Small Hall
10:00	Coffee break	2nd & 4th floor
10:20	CPM session <i>Mika Amit, Rolf Backofen, Steffen Heyne, Gad M. Landau, Mathias Möhl, Christina Schmiedl and Sebastian Will</i> : Local Exact Pattern Matching for Non-Fixed RNA Structures <i>Saad Sheikh, Rolf Backofen and Yann Ponty</i> : Impact Of The Energy Model On The Complexity Of RNA Folding With Pseudoknots <i>Yen Kaow Ng, Hiroataka Ono, Ling Ge and Shuai Cheng Li</i> : Finding Longest Common Segments In Protein Structures In Nearly Linear Time <i>Haitao Jiang and Binhai Zhu</i> : A Linear Kernel for the Complementary Maximal Strip Recovery Problem	chair <i>Ján Maňuch</i> , Hall 1 SWAT session chair <i>Kim Skak Larsen</i> , Small Hall <i>Yijie Han and Tadao Takaoka</i> : An $O(n^3 \log \log n / \log^2 n)$ Time Algorithm for All Pairs Shortest Paths <i>Aistis Atminas, Vadim V. Lozin and Igor Razgon</i> : Linear Time Algorithm for Computing a Small Biclique in Graphs Without Long Induced Paths <i>Petr A. Golovach, Daniël Paulusma and Erik Jan van Leeuwen</i> : Induced Disjoint Paths in AT-Free Graphs <i>Archontia C. Giannopoulou, Iosif Salem and Dimitris Zoros</i> : Effective Computation of Immersion Obstructions for Unions of Graph Classes
12:00	Lunch	
14:00	CPM session <i>Tatsuya Akutsu, Takeyuki Tamura, Daiji Fukagawa and Atsuhiko Takasu</i> : Efficient Exponential Time Algorithms for Edit Distance between Unordered Trees <i>David Fernández-Baca, Sylvain Guillemot, Brad Shuttters and Sudheer Vakati</i> : Fixed-Parameter Algorithms for Finding Agreement Supertrees <i>Jesper Jansson and Andrzej Lingas</i> : Computing the Rooted Triplet Distance between Galled Trees by Counting Triangles <i>Riccardo Dondi and Nadia El-Mabrouk</i> : Minimum Leaf Removal for Reconciliation: Complexity and Algorithms	chair <i>Hideo Bannai</i> , Hall 1 SWAT session chair <i>Kazuo Iwama</i> , Small Hall <i>Danny Z. Chen, Yan Gu, Jian Li and Haitao Wang</i> : Algorithms on Minimizing the Maximum Sensor Movement for Barrier Coverage of a Linear Domain <i>Oleksiy Busaryev, Sergio Cabello, Chao Chen, Tamal K. Dey and Yusu Wang</i> : Annotating Simplices with a Homology Basis and Its Applications <i>Rom Aschner, Matthew J. Katz and Gila Morgenstern</i> : Do Directional Antennas Facilitate in Reducing Interferences? <i>Adrian Dumitrescu, Sarel Har-Peled and Csaba D. Tóth</i> : Minimum Convex Partitions and Maximum Empty Polytopes
15:40	Coffee break	2nd & 4th floor
16:00	CPM session <i>Liviu P. Dinu and Alexandru Popa</i> : On the Closest String via Rank Distance <i>Christina Boucher, Gad M. Landau, Avivit Levy, David Pritchard and Oren Weimann</i> : On Approximating String Selection Problems with Outliers <i>Zhi-Zhong Chen, Lusheng Wang and Wenji Ma</i> : The Parameterized Complexity of the Shared Center Problem	chair <i>Veli Mäkinen</i> , Hall 1 SWAT session chair <i>Fabrizio Grandoni</i> , Small Hall <i>Markus Bläser, Konstantinos Panagiotou and B. V. Raghavendra Rao</i> : A Probabilistic Analysis of Christofides' Algorithm <i>Babak Behsaz, Mohammad R. Salavatipour and Zoya Svitkina</i> : New Approximation Algorithms for the Unsplittable Capacitated Facility Location Problem <i>Antonios Antoniadis and Chien-Chung Huang</i> : Non-Preemptive Speed Scaling
17:45		SWAT excursion, boarding starts Market Square
18:00		SWAT excursion, boat departs Market Square
20:00		SWAT banquet Suomenlinna
23:45		SWAT excursion ends Market Square

09:00	Invited talk <i>Roger Wattenhofer: Think Global, Act Local</i>	chair <i>Jukka Suomela</i> , Small Hall
10:00	Coffee break	4th floor
10:20	SWAT session <i>Marie-Louise Bruner and Martin Lackner:</i> A Fast Algorithm for Permutation Pattern Matching Based on Alternating Runs <i>Yakov Nekrich and Gonzalo Navarro:</i> Sorted Range Reporting <i>Philip Bille, Inge Li Gørtz, Hjalte Wedel Vildhøj and Søren Vind:</i> String Indexing for Patterns with Wildcards <i>Timothy M. Chan, Stephane Durocher, Matthew Skala and Bryan T. Wilkinson:</i> Linear-Space Data Structures for Range Minority Query in Arrays	chair <i>Andrzej Lingas</i> , Small Hall
12:00	Lunch	
14:00	SWAT session <i>Benjamin Doerr, Mahmoud Fouz and Tobias Friedrich:</i> Asynchronous Rumor Spreading in Preferential Attachment Graphs <i>Glencora Borradaile, Seth Pettie and Christian Wulff-Nilsen:</i> Connectivity Oracles for Planar Graphs <i>Joan Boyar, Sushmita Gupta and Kim S. Larsen:</i> Access Graphs Results for LRU versus FIFO under Relative Worst Order Analysis <i>Yiannis Giannakopoulos and Elias Koutsoupias:</i> Competitive Analysis of Maintaining Frequent Items of a Stream	chair <i>Mikko Koivisto</i> , Small Hall
15:40	Coffee break	4th floor
16:00	SWAT session <i>Hans L. Bodlaender, Bart M. P. Jansen and Stefan Kratsch:</i> Kernel Bounds for Structural Parameterizations of Pathwidth <i>Stefan Kratsch, Marcin Pilipczuk, Ashutosh Rai and Venkatesh Raman:</i> Kernel Lower Bounds Using Co-Nondeterminism: Finding Induced Hereditary Subgraphs <i>Eldar Fischer, Yonatan Goldhirsh and Oded Lachish:</i> Testing Formula Satisfaction <i>Richard Cleve, Kazuo Iwama, François Le Gall, Harumichi Nishimura, Seiichiro Tani, Junichi Teruyama and Shigeru Yamashita:</i> Reconstructing Strings from Substrings with Quantum Queries	chair <i>Fedor V. Fomin</i> , Small Hall
17:40	Conference ends	
