

	hall A	hall B	hall C	hall D	
8:35	ESA · Golin, Iacono, Langerman, Munro, Nekrich · <i>Dynamic Trees with Almost-Optimal Access Cost</i>	ESA · Raman, Ray · <i>Planar Support for Non-Piercing Regions and Applications</i>			
9:00	ESA · Goranci, Henzinger, Leniowski · <i>A Tree Structure For Dynamic Facility Location</i>	ESA · Mustafa, Ray · <i>On a Problem of Danzer</i>	WABI · Zhang, Rao, Warnow · <i>New absolute fast converging phylogeny estimation methods with improved scalability and accuracy</i>		
9:25	ESA · Goranci, Henzinger, Peng · <i>Dynamic Effective Resistances and Approximate Schur Complement on Separable Graphs</i>	ESA · Ding, Liu · <i>On Geometric Prototype And Applications</i>	WABI · Dondi, Lafond, Scornavacca · <i>Reconciling multiple genes trees via segmental duplications and losses</i>		
9:50	Coffee break				
10:10	ESA · El-Zein, He, Munro, Sandlund · <i>Improved Time and Space Bounds for Dynamic Range Mode and Least Frequent Element</i>	ESA · Arya, Da Fonseca, Mount · <i>Approximate Convex Intersection Detection with Applications to Width and Minkowski Sums</i>	WABI · Rosen, Paten · <i>An average-case sublinear exact Li and Stephens forward algorithm</i>	ALGO CLOUD invited talk · Wattenhofer · <i>Algorithms for and against the Cloud</i>	
10:35	ESA · Solomon, Wein · <i>Improved Dynamic Graph Coloring</i>	ESA · Chalk, Luchsinger, Schweller, Wylie · <i>Self-Assembly of Any Shape with Constant Tile Types using High Temperature</i>	WABI · Norri, Cazaux, Kosolobov, Mäkinen · <i>Minimum segmentation for pan-genomic founder reconstruction in linear time</i>		
11:00	ESA · Dorfman, Kaplan, Kozma, Pettie, Zwick · <i>Improved bounds for multipass pairing heaps and path-balanced binary search trees</i>	ESA · Boissonnat, Pritam, Pareek · <i>Strong Collapse for Persistence</i>	WABI · El-Kebir · <i>Parsimonious migration history problem: Complexity and algorithms</i>		
11:25	Break				
11:30	ALGO keynote talk · Mathieu · <i>Stable Matching in Practice</i>				
12:30	Lunch				
14:00					

	hall A	hall B	hall C	hall D
14:00	ESA · Chang, Gawrychowski, Mozes, Weimann · <i>Near-Optimal Distance Preserver for Planar Graphs</i>	ESA · Chaplick, De, Ravsky, Spoerhase · <i>Approximation Schemes for Geometric Coverage Problems</i>	WABI · Zabeti, Stephen, Berger, Chindelevitch · <i>A duality-based method for identifying elemental balance violations in metabolic network models</i>	ALGO CLOUD · Subramani, Caskurlu, Velasquez · <i>Minimization of Testing Costs in Capacity-Constrained Database Migration</i>
14:25	ESA · Dinitz, Schapira, Shahaf · <i>Large Low-Diameter Graphs are Good Expanders</i>	ESA · Jelínek, Opler, Valtr · <i>Generalized Coloring of Permutations</i>	WABI · Dührkop, Lataretu, White, Böcker · <i>Heuristic algorithms for the maximum colorful subtree problem</i>	ALGO CLOUD · Kulkarni, Pagourtzis, Potika, Potikas, Souliou · <i>Community Detection via Minimum Spanning Tree Computations</i>
14:50	ESA · Filtser, Neiman · <i>Light Spanners for High Dimensional Norms via Stochastic Decompositions</i>	ESA · Matheny, Phillips · <i>Practical Low-Dimensional Halfspace Range Space Sampling</i>	WABI · Majewski, Ciach, Startek, Niemyska, Miasojedow, Gambin · <i>The Wasserstein distance as a dissimilarity measure for mass spectra with application to</i>	ALGO CLOUD · Aiyar, Gupta, Rajaraman, Shen, Sun, Sundaram · <i>Colocation, Colocation, Colocation: Optimizing Placement in the Hybrid Cloud</i>
15:15	Coffee break			
15:35	ESA · Englert, Mezlaf, Westermann · <i>Online Makespan Scheduling with Job Migration on Uniform Machines</i>	ESA · Auger, Jugé, Nicaud, Pivoteau · <i>On the Worst-Case Complexity of TimSort</i>	WABI · Engler, Caron, Veen, Geerke, Mark, Klau · <i>Multiple-choice knapsack for assigning partial atomic charges in drug-like molecules</i>	ALGO CLOUD · Benter, Knollmann, M. auf der Heide, Setzer, Sundermeier · <i>A Peer-to-Peer based Cloud Storage supporting orthogonal Range Queries of arbitrary</i>
16:00	ESA · Gálvez, Soto, Verschae · <i>Symmetry exploitation for Online Machine Covering with Bounded Migration</i>	ESA · Munro, Wild · <i>Nearly-Optimal Natural Mergesort: Practically Fast Sorting Methods That Optimally Adapt to Existing Runs</i>	WABI · Hajkarim, Upfal, Vandin · <i>Differentially mutated subnetworks discovery</i>	ALGO CLOUD · Neumann, Polyakovskiy, Skutella, Stougie, Wu · <i>A Fully Polynomial Time Approximation Scheme for Packing While Traveling</i>
16:25	ESA · Lucarelli, Moseley, Thang, Srivastav, Trystram · <i>Online Non-Preemptive Scheduling to Minimize Weighted Flow-time on Unrelated Machines</i>	ESA · Zhou, Chiang, Yap · <i>Soft Subdivision Motion Planning for Complex Planar Robots</i>	WABI · Karpov, Malikic, Rahman, Sahinalp · <i>A multi-labeled tree edit distance for comparing "clonal trees" of tumor progression</i>	ALGO CLOUD · Charikar, Naamad, Rexford, Zou · <i>Multi-Commodity Flow with In-Network Processing</i>
16:50	Break			
17:00	ESA · Gkenosis, Grammel, Hellerstein, Kletenik · <i>The Stochastic Score Classification Problem</i>	ESA · Chitnis, Feldmann, Manurangsi · <i>Parameterized Approximation Algorithms for Bidirected Steiner Network Problems</i>	WABI poster session · in front of hall B	
17:25	ESA · Cygan, Czumaj, Mucha, Sankowski · <i>Online Facility Location with Deletions</i>	ESA · Martin, Paulusma, van Leeuwen · <i>Disconnected Cuts in Claw-free Graphs</i>		
17:50	ESA · Balogh, Békési, Dósa, Epstein, Levin · <i>A new and improved algorithm for online bin packing</i>	ESA · Kanj, Komusiewicz, Sorge, van Leeuwen · <i>Solving Partition Problems Almost Always Requires Pushing Many Vertices Around</i>		
18:15	Break			
18:20	ESA business meeting			
19:30				

	hall A	hall B	hall C	hall D
8:35	ESA · Becker, Klein, Saulpic · <i>Polynomial-time approximation schemes for k-center, k-median, and capacitated vehicle routing in bounded highway dimension</i>	ESA · Jansen, Pieterse · <i>Polynomial Kernels for Hitting Forbidden Minors under Structural Parameterizations</i>		ALGO CLOUD · Vatsalan, Karapiperis, Gkoulalas-Divanis · <i>An Overview of Big Data Issues in Privacy-Preserving Record Linkage</i>
9:00	ESA · Chan, Jiang, Jiang · <i>A Unified PTAS for Prize Collecting TSP and Steiner Tree Problem in Doubling Metrics</i>	ESA · Ghosh, Kolay, Mishra · <i>FPT algorithms for embedding into low complexity graphic metrics</i>	WABI · Dey, Mandal · <i>Protein classification with improved topological data analysis</i>	ALGO CLOUD · Gazis, Katsiri · <i>Web Frameworks Metrics for Data Handling and Visualization</i>
9:25	ESA · Chimani, Wiedera · <i>Cycles to the Rescue! Novel Constraints to Compute Maximum Planar Subgraphs Fast</i>	ESA · Jansen, Nederlof · <i>Computing the Chromatic Number Using Graph Decompositions via Matrix Rank</i>	WABI · Basu, Utró, Parida · <i>Essential simplices in persistent homology and subtle admixture detection</i>	ALGO CLOUD · Giannakopoulou · <i>Algorithms for Cloud-based Smart Mobility</i>
9:50	Coffee break			
10:10	ESA · Ahmadian, Bhaskar, Sanità, Swamy · <i>Algorithms for Inverse Optimization Problems</i>	ESA · Kratsch, Nelles · <i>Efficient and adaptive parameterized algorithms on modular decompositions</i>	WABI · Sternberg, Sharan · <i>A dynamic algorithm for network propagation</i>	ALGO CLOUD · Gkoulalas-Divanis, Kagklis, Stavropoulos · <i>A Frequent Itemset Hiding Toolbox</i>
10:35	ESA · Becchetti, Clementi, Manurangsi, Natale, Pasquale, Raghavendra, Trevisan · <i>Average whenever you meet: Opportunistic protocols for community</i>	ESA · Cao, Rai, Sandeep, Ye · <i>A Polynomial Kernel for Diamond-Free Editing</i>	WABI · Elworth, Allen, Benedict, Dulworth, Nakhleh · <i>D_{GEN}: A test statistic for detection of general introgression scenarios</i>	ALGO CLOUD · Vlantis, Delis · <i>On-line Big-Data Processing for Visual Analytics with Argus-Panoptes</i>
11:00	ESA · Korenwein, Nichterlein, Niedermeier, Zschoche · <i>Data Reduction for Maximum Matching on Sparse Graphs: Theory and Experiments</i>	ESA · Fomin, Golovach, Raymond · <i>On the tractability of optimization problems on H-graphs</i>	WABI · Chrétien, Guyeux, Moulin · <i>l_1-penalised ordinal polytomous regression estimators with application to gene expression studies</i>	ALGO CLOUD business meeting
11:25	Break			
11:30	ALGO keynote talk · Roughgarden · <i>How Computer Science Informs Modern Auction Design</i>			
12:30	Lunch			
14:00				

hall A

hall B

hall C

hall D

14:00

ESA track A best student paper · Probst · *On the Complexity of the (Approximate) Nearest Colored Node Problem*

ESA track B best student paper · Bannach, Berndt · *Practical Access to Dynamic Programming on Tree Decompositions*

14:25

Break

14:30

ESA track A best paper · Holm, Italiano, Karczmarz, Łącki, Rotenberg · *Decremental SPQR-trees for Planar Graphs*

14:55

ESA track B best paper · Schmidt, Zey, Margot · *An Exact Algorithm for the Steiner Forest Problem*

15:20

ESA Test-of-Time Award · Abello, Buchsbaum, Westbrook

15:45

Break

16:00

Walk to Market Square

17:00

ALGO excursion

19:00

ALGO banquet

22:00

	hall A	hall B	hall C	hall D
8:35	ESA · Cheung, Cole · <i>Amortized Analysis of Asynchronous Price Dynamics</i>			
9:00	ESA · Lee, Singla · <i>Optimal Online Contention Resolution Schemes via Ex-Ante Prophet Inequalities</i>	ESA · Fichte, Hecher, Woltran, Zisser · <i>Weighted Model Counting on the GPU by Exploiting Small Treewidth</i>		IPEC · Baste, Sau, Thilikos · <i>A complexity dichotomy for hitting small planar minors parameterized by treewidth</i>
9:25	ESA · Mai, Vazirani · <i>Finding Stable Matchings that are Robust to Errors in the Input</i>	ESA · Carstens, Hamann, Meyer, Penschuck, Tran, Wagner · <i>Parallel and I/O-efficient Randomisation of Massive Networks using Global Curveball Trades</i>		IPEC · van Geffen, Jansen, de Kroon, Morel · <i>Lower Bounds for Dynamic Programming on Planar Graphs of Bounded Cutwidth</i>
9:50	Coffee break			
10:10	ESA · Boczkowski, Korman, Rodeh · <i>Searching a Tree with Permanently Noisy Advice</i>	ESA · Gu, Sun, Blelloch · <i>Algorithmic Building Blocks for Asymmetric Memories</i>	WABI · Boucher, Gagie, Kuhnle, Manzini · <i>Prefix-free parsing for building big BWTs</i>	IPEC · Bringmann, Husfeldt, Magnusson · <i>Multivariate Analysis of Orthogonal Range Searching and Graph Distances Parameterized by Treewidth</i>
10:35	ESA · Bhaskar, Lolakapuri · <i>Equilibrium Computation in Atomic Splittable Routing Games with Convex Cost Functions</i>	ESA · Goswami, Medjedovic, Mekic, Pandey · <i>Buffered Count-Min Sketch on SSD: Theory and Experiments</i>	WABI · Prezza, Pisanti, Sciortino, Rosone · <i>Detecting mutations by eBWT</i>	IPEC · Kangas, Koivisto, Salonen · <i>A Faster Tree-Decomposition Based Algorithm for Counting Linear Extensions</i>
11:00	ESA · Eden, Feldman, Fiat, Taub · <i>Truthful Prompt Scheduling for Minimizing Sum of Completion Times</i>	ESA · Grossi, Versari · <i>Round-Hashing for Data Storage: Distributed Servers and External-Memory Tables</i>	WABI · Egidi, Louza, Manzini, Telles · <i>External memory BWT and LCP computation for sequence collections with applications</i>	IPEC · Jaffke, Kwon, Strømme, Telle · <i>Generalized distance domination problems and their complexity on graphs of bounded mim-width</i>
11:25	Break			
11:30	ALGO keynote talk · Pop · <i>From Clustering to Variant Discovery: Algorithmic Opportunities in Microbiome Research</i>			
12:30	Lunch			
14:00				

	hall A	hall B	hall C	hall D
14:00	ESA · Chakraborty, Mukherjee, Raman, Satti · <i>A Framework for In-place Graph Algorithms</i>	ESA · Chakraborty, Das, Koucky, Saurabh · <i>Space-Optimal Quasi-Gray Codes with Logarithmic Read Complexity</i>	WABI · Sirén, Garrison, Novak, Paten, Durbin · <i>Haplotype-aware graph indexes</i>	IPEC · Luo, Molter, Suchy · <i>A Parameterized Complexity View on Collapsing k-Cores</i>
14:25	ESA · Bonichon, Bose, De Carufel, Despre, Darryl, Smid · <i>Improved Routing on the Delaunay Triangulation</i>	ESA · Garg, Mömke · <i>A QPTAS for Gapless MEC</i>	WABI · Mansouri, Booth, Vityaz, Chauve, Chindelevitch · <i>PRINCE: Accurate approximation of the copy number of tandem repeats</i>	IPEC · Saurabh, Zehavi · <i>Parameterized Complexity of Multi-Node Hubs</i>
14:50	ESA · van der Grinten, Bergamini, Green, Bader, Meyerhenke · <i>Scalable Katz Ranking Computation in Large Dynamic Graphs</i>	ESA · Kempa, Policriti, Prezza, Rotenberg · <i>String Attractors: Verification and Optimization</i>	WABI · Alzamel, Ayad, Bernardini, Grossi, Iliopoulos, Pisanti, Pissis, Rosone · <i>Degenerate string comparison and applications</i>	IPEC · Meeks, Skerman · <i>The parameterised complexity of computing the maximum modularity of a graph</i>
15:15	Coffee break			
15:35	ESA · Künnemann · <i>On Nondeterministic Derandomization of Freivalds' Algorithm: Consequences, Avenues and Algorithmic Progress</i>	ESA · He, Huang, Sun · <i>On the Decision Tree Complexity of String Matching</i>	WABI · Muggli, Puglisi, Boucher · <i>A succinct solution to Rmap alignment</i>	IPEC · Isenmann, Barbero, Thiebaut · <i>On the Distance Identifying Set meta-problem and applications to the complexity of identifying problems on graphs</i>
16:00	ESA · Brandt, Pettie, Uitto · <i>Fine-grained Lower Bounds on Cops and Robbers</i>	ESA · Amir, Landau, Marcus, Sokol · <i>Two-Dimensional Maximal Repetitions</i>	WABI · Hartmann, Rahmann · <i>Spalter: A meta machine learning approach to distinguish true DNA variants from sequencing artefacts</i>	IPEC · Eppstein, Lokshtanov · <i>The Parameterized Complexity of Finding Point Sets with Hereditary Properties</i>
16:25	ESA · Goldstein, Lewenstein, Porat · <i>Improved Space-Time Tradeoffs for kSUM</i>	ESA · Gańczorz, Gawrychowski, Jež, Kociumaka · <i>Edit Distance with Block Operations</i>	WABI · Walve, Rastas, Salmela · <i>Kermit: Guided long read assembly using coloured overlap graphs</i>	IPEC · Araújo, Campos, Lima, Dos Santos, Sau, Silva · <i>Dual parameterization of Weighted Coloring</i>
16:50	Break			
17:00	ESA · Fomin, Panolan, Ramanujan, Saurabh · <i>On the Optimality of Pseudo-polynomial Algorithms for Integer Programming</i>	ESA · Jarret, Jeffery, Kimmel, Piedrafita · <i>Quantum Algorithms for Connectivity and Related Problems</i>		PACE awards
17:25	ESA · Pilipczuk, van Leeuwen, Wiese · <i>Quasi-polynomial time approximation schemes for packing and covering problems in planar graphs</i>	ESA · Ivanyos, Prakash, Santha · <i>On learning linear functions from subset and its applications in quantum computing</i>		
17:50	Break			
18:00	Walk to City Hall			
19:00	ALGO reception			
20:30				

	hall A	hall B	hall C	hall D
9:00	IPEC · Bannach, Tantau · <i>Computing Kernels in Parallel: Lower and Upper Bounds</i>			
9:25	IPEC · Agrawal, Jain, Kanesh, Misra, Saurabh · <i>Exploring the Kernelization Borders for Hitting Cycles</i>		ALGOSENSORS · Miller · <i>Local Gossip and Neighbour Discovery in Mobile Ad Hoc Radio Networks</i>	
9:50	IPEC · Chen, Jansen, Pieterse · <i>Best-case and Worst-case Sparsifiability of Boolean CSPs</i>		ALGOSENSORS · Kolb, Jung, Sundermeier, Scheideler · <i>Competitive Routing in Hybrid Communication Networks</i>	
10:15	Coffee break			
10:35	IPEC · Eppstein, Havvaei · <i>Parameterized Leaf Power Recognition via Embedding into Graph Products</i>	WAOA · Olver, Pruhs, Schewior, Sitters, Stougie · <i>The Itinerant List Update Problem</i>	ALGOSENSORS · Kuo · <i>On the Approximability and Hardness of the Minimum Connected Dominating Set with Routing Cost Constraint</i>	ATMOS · Lidén · <i>Reformulations for integrated planning of railway traffic and network maintenance</i>
11:00	IPEC · Bonnet, Bousquet, Charbit, Thomassé, Watrigant · <i>Parameterized Complexity of Independent Set in H-Free Graphs</i>	WAOA · Geissmann · <i>Longest Increasing Subsequence under Persistent Comparison Errors</i>	ALGOSENSORS · Corò, D'Angelo, Pinotti · <i>On the Maximum Connectivity Improvement problem</i>	ATMOS · Sousa, Alçada-Almeida, Coutinho-Rodrigues · <i>Large scale railway renewal planning with a multiobjective modeling approach</i>
11:25	Break			
11:30	ALGO keynote talk · Kratsch, Wahlström			
12:30	Lunch			
14:00				

	hall A	hall B	hall C	hall D
14:00	IPEC · Kratsch, Li, Marx, Pilipczuk, Wahlström · <i>Multi-budgeted directed cuts</i>	WAOA · Czumaj, Mansour, Vardi · <i>Sublinear graph augmentation for fast query implementation</i>	ALGOSENSORS · Chuangpishit, Georgiou, Sharma · <i>Average Case - Worst Case Tradeoffs for Evacuating 2 Robots from the Disk in the Face-to-Face Model</i>	ATMOS invited talk · Huisman · <i>Railway Disruption Management: State-of-the-art in practice and new research directions</i>
14:25	IPEC · Komusiewicz, Kratsch, Le · <i>Matching Cut: Kernelization, Single-Exponential FPT, and Exact Exponential Algorithms</i>	WAOA · Bensmail, Mazauric, Mc Inerney, Nisse, Pérennes · <i>Sequential Metric Dimension</i>	ALGOSENSORS · Adhikary, Bose, Kundu, Sau · <i>Mutual Visibility by Asynchronous Robots on Infinite Grid</i>	
14:50	IPEC · Papadopoulos, Tzimas · <i>Subset Feedback Vertex Set on Graphs of Bounded Independent Set Size</i>	WAOA · Byrka, Lewandowski, Spoerhase · <i>Approximating Node-Weighted k-MST on Planar Graphs</i>	ALGOSENSORS · Bose, Kundu, Adhikary, Sau · <i>Optimal Gathering by Asynchronous Oblivious Robots in Hypercubes</i>	
15:15	Coffee break			
15:35	IPEC · Gavenčiak, Knop, Koutecky · <i>Integer Programming in Parameterized Complexity: Three Miniatures</i>	WAOA · Chang, Hochbaum, Spaen, Velednitsky · <i>DISPATCH: An Optimally-Competitive Algorithm for Maximum Online Perfect Bipartite Matching with</i>	ALGOSENSORS invited talk · Schmid · <i>Schedule, Support, Adjust, and Fix: Topology Control Revolutions for Data-Aware Networks</i>	ATMOS · van den Broek, Hoogeveen, van den Akker · <i>How to measure the robustness of shunting plans</i>
16:00	IPEC · Bliznets, Sagunov · <i>Solving Target Set Selection with Bounded Thresholds Faster than 2^n</i>	WAOA · Bienkowski, Kraska, Liu, Schmidt · <i>A Primal-Dual Online Deterministic Algorithm for Matching with Delays</i>		ATMOS · Friedrich, Müller-Hannemann, Rückert, Schiewe, Schöbel · <i>Robustness as a Third Dimension for Evaluating Public Transport Plans</i>
16:25	IPEC · Casel · <i>Resolving Conflicts for Lower-Bounded Clustering</i>	WAOA · Azar, Jacob-Fanani · <i>Deterministic Min-Cost Matching with Delays</i>		ATMOS · Hansknecht, Richter, Stiller · <i>Fast robust shortest path computations</i>
16:50	Break			
17:00	IPEC business meeting	WAOA · Christodoulou, Melissourgou, Spirakis · <i>Strategic Contention Resolution in Multiple Channels</i>	ALGOSENSORS · Erzin, Lagutkina · <i>Barrier Coverage Problem in 2D</i>	ATMOS · van Heuven van Staereling · <i>Tree Decomposition Methods for the Periodic Event Scheduling Problem</i>
17:25		WAOA · Dósa, Kellerer, Tuza · <i>Bin Packing Games with Weight Decision: how to get a small value for the Price of Anarchy</i>	ALGOSENSORS · Hanschke, Renner · <i>Time- and Energy-aware Task Scheduling in Environmentally-powered Sensor Networks</i>	ATMOS · Arizti, Mauttone, Urquhart · <i>A bilevel approach to frequency optimization in public transportation systems</i>
17:50		WAOA · Sagnol, Schmidt Genannt Waldschmidt, Tesch · <i>The Price of Fixed Assignments in Stochastic Extensible Bin Packing</i>	ALGOSENSORS · Madhja, Nikolettseas, Voudouris · <i>Mobility-Aware, Adaptive Algorithms for Wireless Power Transfer in Ad Hoc Networks</i>	ATMOS · Pätzold, Schiewe, Schöbel · <i>Cost-Minimal Public Transport Planning</i>
18:15	Break			
18:30				ATMOS business meeting
19:10				

	hall A	hall B	hall C	hall D
9:00	IPEC tutorial · Curticapean · <i>Counting Problems in Parameterized Complexity</i>	WAOA · Böckenhauer, Komm, Wegner · <i>Call Admission Problems on Grids with Advice</i>	ALGOSENSORS · Gastineau, Abdou, Mbarek, Togni · <i>Distributed leader election and computation of local identifiers for programmable matter</i>	ATMOS · Petig, Schiller, Suomela · <i>Changing Lanes on a Highway</i>
9:25		WAOA · Borodin, Boyar, Larsen, Pankratov · <i>Advice Complexity of Priority Algorithms</i>	ALGOSENSORS · Mirek, Kowalski · <i>Reaching Consensus in Ad-Hoc Diffusion Networks</i>	ATMOS · van Bevern, Fluschnik, Tsidulko · <i>Parameterized algorithms and data reduction for safe convoy routing</i>
9:50		WAOA · Böckenhauer, Fuchs, Unger · <i>Exploring Sparse Graphs with Advice</i>	ALGOSENSORS · Hideg, Lukovszki, Forstner · <i>Filling Arbitrary Connected Areas by Silent Robots with Minimal Visibility Range</i>	ATMOS · Amarouche, Guibadj, Moukrim · <i>A Neighborhood Search and Set Cover Hybrid Heuristic for the Two-Echelon Vehicle Routing Problem</i>
10:15	Coffee break			
10:35	IPEC · Roth, Schmitt · <i>Counting Induced Subgraphs: A Topological Approach to #W[1]-hardness</i>	WAOA · Mary, Bousquet · <i>Reconfiguration of graphs with connectivity constraints</i>	ALGOSENSORS · Lv, Zhao, Rao, Zhang, Yuan, Zeng · <i>Localization of MR Records with Missing RSSI Information</i>	ATMOS · Sering, Skutella · <i>Multi-Source Multi-Sink Nash Flows Over Time</i>
11:00	IPEC · De Oliveira Oliveira, Lokshtanov, Saurabh · <i>A Strongly-Uniform Slicewise Polynomial-Time Algorithm for the Embedded Planar Diameter Improvement Problem</i>	WAOA · Ikeda, Tanigawa · <i>Cut Sparsifiers for Balanced Digraphs</i>	ALGOSENSORS · Segarra, Caballeros, Aguilar · <i>Orientation Estimation using Filter-Based Inertial Data Fusion for Posture Recognition</i>	ATMOS · Timmermans, Vargas Koch, Tauer, Peis · <i>Oligopolistic Competitive Packet Routing</i>
11:25	Break			
11:30	ALGO keynote talk · Woeginger · <i>Some Easy and Some Not So Easy Geometric Optimization Problems</i>			
12:30				
14:00	Lunch			

14:00

hall A

hall B

hall C

hall D

WAOA · Driemel, Krivosija ·
*Probabilistic embeddings of the
Frechet distance*

ATMOS · Mannino, Sartor ·
*The Path&Cycle formulation for
the Hotspot Problem in Air
Traffic Management*

14:25

WAOA · Fairstein, Naor, Raz ·
*Algorithms for Dynamic NFV
Workload*

ATMOS · van Lieshout,
Bouman · *Vehicle Scheduling
Based on a Line Plan*

14:50

WAOA · Calinescu, Kortsarz,
Nutov · *Improved
approximation algorithms for
minimum power covering
problems*

ATMOS · Borndörfer,
Karbstein, Liebchen, Lindner ·
*A Simple Way to Compute the
Number of Vehicles That Are
Required to Operate a Periodic
Timetable*

15:15

Coffee break — the end of ALGO 2018

15:35