LATIN 2010 - Conference Program

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Session Chair		*Alejandro Lopez-Ortiz*	*Marcos Kiwi*	*Ricardo Baeza-Yates*	*Piotr Indyk*	
9:00-9:05		**Opening Ceremony** President of UABJO	**Invited Talk**	**Invited Talk**	**Invited Talk**	**Invited Talk**
9:05-10:00		**Invited Talk** *Iterated Shared Memory Models* Sergio Rajsbaum	*Sparse Recovery Using Sparse Random Matrices* Piotr Indyk	*Vignettes on the work of Imre Simon* Ricardo Baeza-Yates, John Brzozowski, Volker Diekert, Jacques Sakarovitch	*Continuous and Discrete Methods in Computer Science* Cristopher Moore	*Some Observations on Holographic Algorithms* Leslie Valiant
10:00-10:25		*Colorful Strips* Aloupis, Cardinal, Collette, Imahori, Korman, Langerman, Schwartz, Smorodinsky and Taslakian	*Optimal Succinctness for Range Minimum Queries* Johannes Fischer	*Approximating Maximum Diameter-Bounded Subgraphs* Yuichi Asahiro, Eiji Miyano and Kazuaki Samizo	*Optimal Polygonal Representation of Planar Graphs* Emden Gansner, Yifan Hu, Michael Kaufmann and Stephen Kobourov	*The interval constrained 3-coloring problem* Jaroslaw Byrka, Andreas Karrenbauer and Laura Sanita
10:25-10:50		*The Mono- and Bichromatic Empty Rectangle and Square Problems in All Dimensions* Jonathan Backer and Mark Keil	*Compact Rich-Functional Binary Relation Representations* Jérémy Barbay, Francisco Claude and Gonzalo Navarro	*On Quadratic Threshold CSPs* Per Austrin, Siavosh Benabbas and Avner Magen	*Minimum-perimeter intersecting polygons* Adrian Dumitrescu and Minghui Jiang	*Tilings robust to errors* Alexis Ballier, Emmanuel Jeandel and Bruno Durand
10:50-11:15		**BREAK**	**BREAK**	**BREAK**	**BREAK**	**BREAK**
Session Chair		*Edgar Chavez*	*Sergio Rajsbaum*	*Martin Furer*	*Jeremy Barbay*	
11:15-11:40			*Radix cross-sections for length morphisms* Sylvain Lombardy and Jacques Sakarovitch	*Finding Lower Bounds on the Complexity of Secret Sharing Schemes* Leonor Vázquez and Carles Padró	*Finding the smallest gap between sums of square roots* Qi Cheng and Yu-Hsin Li	
11:40-12:05		*Connectivity is Not a Limit for Kernelization: Planar Connected Dominating Set* Navid Imani and Qianping Gu	*Pairs of Complementary Unary Languages with "Balanced" Nondeterministic Automata* Viliam Geffert and Giovanni Pighizzini	*Finding the best CAFE is NP-hard* Elizabeth Maltais and Lucia Moura	*Matching Points with Things* Aloupis, Cardinal, Collette, Demaine, Demaine, Dulieu, Fabila-Monroy, Hart, Hurtado, Langerman, Saumell, Seara and Taslakian	*Largest Induced Acyclic Tournament in Random Digraphs: A 2-point concentration* C.R. Subramanian and Kunal Dutta
12:05-12:30		*Almost Linear Time Computation of the Chromatic Polynomial of a Graph of Bounded Tree-Width* Martin Fürer	*Quotient Complexity of Ideal Languages* Janusz Brzozowski, Galina Jiraskova and Baiyu Li	*The Size and Depth of Layered Boolean Circuits* Anna Gal and Jing-Tang Jang	*Lightweight Data Indexing and Compression in External Memory* Paolo Ferragina, Travis Gagie and Giovanni Manzini	*The Complexity of Counting Eulerian Tours in 4-Regular Graphs* Qi Ge and Daniel Stefankovic
12:30-12:55				*Lipschitz Unimodal and Isotonic Regression on Paths and Trees* Pankaj Agarwal, Jeff Phillips and Bardia Sadri		

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
12:55-13:20		**LUNCH**		*Ambiguity and Deficiency in Costas Arrays and APN Permutations* Daniel Panario, Brett Stevens and Qiang Wang	**LUNCH**	
13:20-15:00				**LUNCH**		**LUNCH**
Session Chair		*Reza Dorrigiv*	*David Fernandez Vaca*			
15:00-15:25		*Finding the Minimum-Distance Schedule for a Boundary Searcher with a Flashlight* Tsunehiko Kameda, Ichiro Suzuki and John Z. Zhang	**LUNCH**		*Euclidean Prize-collecting Steiner Forest* MohammadHossein Bateni and MohammadTaghi Hajiaghayi	*Rank Selection in Multidimensional Data* Amalia Duch, Conrado Martinez and Rosa M. Jimenez
15:25-15:50		*Local search performance guarantees for restricted related parallel machine scheduling* Diego Recalde, Cyriel Rutten, Petra Schuurman and Tjark Vredeveld	*Computational complexity of the Hamiltonian cycle problem in dense hypergraphs* Edyta Szymanska, Marek Karpinski and Andrzej Rucinski	**CONFERENCE EXCURSION** **Monte Albán**	*Prize-Collecting Steiner Networks via Iterative Rounding* MohammadTaghi Hajiaghayi and Arefeh Nasri	*Layered Working-Set Trees* Prosenjit Bose, Karim Douïeb, Vida Dujmović and John Howat
15:50-16:15		*Counting reducible, squareful, and relatively irreducible multivariate* Joachim von zur Gathen, A. Viola and K. Ziegler	*Visiting a Sequence of Points with a Bevel-Tip Needle* Atlas F. Cook IV, Carola Wenk, Ovidiu Daescu, Steven Bitner, Yam K. Cheung and Anastasia Kurdia			
16:15-16:35		**BREAK**	**BREAK**		**BREAK**	**END of CONFERENCE**
Session Chair		*Gonzalo Navarro*	*Martin Furer*			
16:35-17:00		*Counting hexagonal patches and independent sets in circle graphs* Paul Bonsma and Felix Breuer	*Communication-Efficient Construction of the Plane Localized Delaunay Graph* Prosenjit Bose, Paz Carmi, Michiel Smid and Daming Xu		*Gradual sub-lattice reduction and a new complexity for factoring polynomials* Andrew Novocin and Mark van Hoeij	
17:00-17:25		*Faithful Representations of Graphs by Islands in the Extended Grid* Michael Coury, Pavol Hell, Jan Kratochvil and Tomas Vyskocil	*Time Complexity of Distributed Topological Self-Stabilization: The Case of Graph Linearization* Dominik Gall, Riko Jacob, Andrea Richa, Christian Scheideler, Stefan Schmid and Hanjo Täubig		*The Power of Fair Pricing Mechanisms* Christine Chung, Katrina Ligett, Kirk Pruhs and Aaron Roth	
17:25-17:50		*The I/O Complexity of Sparse Matrix Dense Matrix Multiplication* Gero Greiner and Riko Jacob	*Randomised Broadcasting: Memory vs. Randomness* Petra Berenbrink, Robert Elsaesser and		*Quasi-Proportional Mechanisms: Prior-free Revenue Maximization* Vahab Mirrokni, S. Muthukrishnan and	
18:00-18:30	**RECEPTION**		**Calenda / Walk to Santo Domingo**		**LATIN Business Meeting**	
18:30-21:00	**Hotel Victoria**			**BANQUET - Hotel Victoria**		

Randomized truthful algorithms for scheduling selfish tasks on parallel machines Eric Angel, Evripidis Bampis and Nicolas Thibault **POSTPONED**	*A larger lower bound on the OBDD complexity of the most significant bit of multiplication* Beate Bollig **CANCELLED**	*Limit theorems for random MAX-2-XORSAT* Rasendrahasina Vonjy and Ravelomanana Vlady **POSTPONED**	*The Language Theory of Bounded Context-Switching* S. La Torre, M. Parthasarathy and Gennaro Parlato **POSTPONED**
Average Parameterization and Partial Kernelization for Computing Medians N.Betzler,J.Guo,C.Komusiewicz, R.Niedermeier **CANCELLED**	*Modelling the LLL algorithm via sandpiles* Brigitte Vallee and Manfred Madritsch **CANCELLED**	*Sharp Separation and Applications to Exact and Parameterized Algorithms* Fedor Fomin, Fabrizio Grandoni, Daniel Lokshtanov and Saket Saurabh **POSTPONED**	*Packet Routing on the Grid* Britta Peis, Martin Skutella and Andreas Wiese **CANCELLED**
Fast Set Intersection and Two Patterns Matching Hagai Cohen and Ely Porat **CANCELLED**	*Complexity of Operations on Cofinite Languages* Frédérique Bassino, Laura Giambruno and Cyril Nicaud **POSTPONED**	*Efficient Edge Domination on Hole-free Graphs in Polynomial Time* Andreas Brandstädt, Christian Hundt and Ragnar Nevries **CANCELLED**	*Kernelization Through Tidying---A Case Study Based on s-Plex Cluster Vertex Deletion* Rene van Bevern, Hannes Moser and Rolf Niedermeier **CANCELLED**
Homotopic Rectilinear Routing with Few Links and Thick Edges Bettina Speckmann and Kevin Verbeek **CANCELLED**			