

# Prague Stringology Conference '09

## Conference Program

Monday August 31, 2009

8:45	<b>On-site registration</b>
9:15	<b>Welcome</b> <i>by conference chair</i>
9:30	<b>Invited talk: Combining Text Compression and String Matching: The Miracle of Self-Indexing</b> <i>By Gonzalo Navarro</i>
10:30	Coffee break
11:00	<b>Feature Extraction for Image Pattern Matching with Cellular Automata</b> <i>by Lynette van Zijl and Leendert Botha</i>
11:30	<b>On-line construction of a small automaton for a finite set of words</b> <i>by Laura Giambruno and Maxime Crochemore</i>
12:00	Lunch
14:00	<b>Adapting Boyer-Moore-Like Algorithms for Searching Huffman Encoded Texts</b> <i>by Simone Faro, Domenico Cantone, and Emanuele Giaquinta</i>
14:30	<b>Finding Characteristic Substrings from Compressed Texts</b> <i>by Shunsuke Inenaga and Hideo Bannai</i>
15:00	<b>Delta Encoding in a Compressed Domain</b> <i>by Shmuel Tomi Klein and Moti Meir</i>
15:30	Coffee break
16:00	<b>Bijjective Variants of the Burrows-Wheeler Transform</b> <i>by Manfred Kufleitner</i>
16:30	<b>On the Usefulness of Backspace</b> <i>by Shmuel Tomi Klein and Dana Shapira</i>
17:00	Coffee break and free discussion
18:00	Conference dinner

Tuesday September 1, 2009

9:00	<b>An Efficient Algorithm for Approximate Pattern Matching with Swaps</b> <i>by Simone Faro, Domenico Cantone, Emanuele Giaquinta and Matteo Campanelli</i>
9:30	<b>Searching for Jumbled Patterns in Strings</b> <i>by Ferdinando Cicalese, Gabriele Fici, and Zsuzsanna Liptak</i>
10:00	Coffee break
10:30	<b>Filter Based Fast Matching of Long Patterns by Using SIMD Instructions</b> <i>by M. Oğuzhan Külekci</i>
11:00	<b>Validation and Decomposition of Partially Occluded Images with Holes</b> <i>by Julien Allali, Pavlos Antoniou, Costas Iliopoulos, Pascal Ferraro, and Manal Mohamed</i>
11:30	<b>Compressing Bi-Level Images by Block Matching on a Tree Architecture</b> <i>by Sergio De Agostino</i>
12:00	Social Event & Lunch

# Prague Stringology Conference '09

## Conference Program

Wednesday September 2, 2009

9:00	<b>Taxonomies of Regular Tree Algorithms</b> <i>by Loek Cleophas and Kees Hemerik</i>
9:30	<b>String Suffix Automaton and Subtree Pushdown Automaton</b> <i>by Jan Janoušek</i>
10:00	Coffee break
10:30	<b>On Minimizing Deterministic Tree Automata</b> <i>by Loek Cleophas, Derrick Kourie, Tinus Strauss, and Bruce Watson</i>
11:00	<b>Constant-memory Iterative Generation of Special Strings Representing Binary Trees</b> <i>by Sebastian Smyczynski</i>
11:30	<b>An input sensitive online algorithm for LCS computation</b> <i>by Heikki Hyyro</i>
12:00	Lunch
14:00	<b>Bit-parallel algorithms for computing all the runs in a string</b> <i>by Kazunori Hirashima, Hideo Bannai, Wataru Matsubara, Akira Ishino, and Ayumi Shinohara</i>
14:30	<b>Crochemore repetition algorithm revisited - computing runs</b> <i>by Frantisek Franek and Mei Jiang</i>
15:00	<b>Reducing Repetitions</b> <i>by Peter Leupold</i>
15:30	Coffee break
16:00	<b>Asymptotic Behaviour of the Maximal Number of Squares in Standard Sturmian Words</b> <i>by Marcin Piatkowski and Wojciech Rytter</i>
16:30	<b>Parallel algorithms for degenerate and weighted sequences derived from high throughput sequencing technologies</b> <i>by Costas Iliopoulos, Mirka Miller, and Solon Pissis</i>
17:00	<b>Finding all covers of an indeterminate string in <math>O(n)</math> time on average</b> <i>by Faizul Bari, M. Sohel Rahman, and Rifat Shahriyar</i>
17:30	Closing