

Prague Stringology Conference 2017

Conference Program

Monday, August 28, 2017

- 09:15 **On-site registration**
- 09:45 **Welcome**
by conference chair
- 10:00 **Invited talk: Compressed Random-Access Memory and Dynamic Succinct Data Structures**
by Simon Puglisi
- 11:00 **Coffee break**
- 11:30 **Faster batched range minimum queries**
by Szymon Grabowski and Tomasz Marek Kowalski
- 12:00 **Range Queries Using Huffman Wavelet Trees**
by Gilad Baruch, Shmuel Tomi Klein and Dana Shapira
- 12:30 **Lunch**
- 14:30 **Counting Mismatches with SIMD**
by Fernando J. Fiori, Waltteri Pakalen, and Jorma Tarhio
- 15:00 **Trade-offs in query and target indexing for the selection of candidates in protein homology searches**
by Strahil Ristov, Robert Vaser and Mile Šikić
- 15:30 **Coffee break**
- 16:00 **Regular Expressions with Backreferences Re-examined**
by Martin Berglund and Brink Van Der Merwe
- 16:30 **Many-MADFact: concurrently constructing MADFAs**
by Tobias Runge, Ina Schaefer, Loek Cleophas and Bruce Watson
- 17:00 **Free discussion & Poster session**
- 18:00 **Conference dinner**

Tuesday, August 29, 2017

- 09:30 **Speeding Up String Matching by Weak Factor Recognition**
by Simone Faro, Domenico Cantone and Arianna Pavone
- 10:00 **A family of exact pattern matching algorithms with multiple adjacent search windows**
by Igor Zavadskyi
- 10:30 **Coffee break**
- 11:00 **Online Recognition of Dictionary with One Gap**
by Amihod Amir, Avivit Levy, Ely Porat, and Riva Shalom
- 11:30 **Social Event (lunch included)**

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Wednesday, August 30, 2017

10:00 **The Linear Equivalence of the Suffix Array and the Partially Sorted Lyndon Array**
by Frantisek Franek, Asma Paracha, and William F. Smyth

10:30 **On Reverse Engineering the Lyndon Tree**
by Yuto Nakashima, Takuya Takagi, Shunsuke Inenaga, Hideo Bannai, and Masayuki Takeda

11:00 Coffee break

11:30 **A Lempel-Ziv-style compression method for repetitive texts**
by Markus Mauer, Timo Beller, and Enno Ohlebusch

12:00 **Dismantling DivSufSort**
by Johannes Fischer and Florian Kurpicz

12:30 Closing

12:40 Lunch