

Monday, June 26, 2023

08:50 - 09:00	Opening remarks
Keynote Talk 1 (Chair: Zsuzsanna Lipták)	
09:00 - 10:00	<i>Olgica Milenkovic</i> Load Balancing for Distributed Storage Codes with Dynamically Changing File Popularities
10:00 - 10:20	Break
Session 1 (Chair: Gonzalo Navarro)	
10:20 - 10:45	<i>Grigorios Loukides, Solon Pissis, Sharma V. Thankachan and Wiktor Zuba</i> Suffix-Prefix Queries on a Dictionary Paper #21
10:45 - 11:10	<i>Pawel Gawrychowski, Garance Gourdel, Tatiana Starikovskaya and Teresa Anna Steiner</i> Compressed Indexing for Consecutive Occurrences Paper #12
11:10 - 11:35	<i>Philip Bille, Johannes Fischer, Inge Li Gørtz, Max Rishøj Pedersen and Tord Joakim Stordalen</i> Sliding Window String Indexing in Streams (Best student paper) Paper #4
11:35 - 12:00	<i>Shinya Nagashita and Tomohiro I</i> PalFM-index: FM-index for Palindrome Pattern Matching Paper #23
12:00 - 13:30	Lunch
Session 2 (Chair: Golnaz Badkobeh)	
13:30 - 14:00	<i>Zachary Chase</i> Separating words and trace reconstruction (Highlight Talk 1)
14:00 - 14:25	<i>Estéban Gabory, Moses Njagi Mwaniki, Nadia Pisanti, Solon Pissis, Jakub Radoszewski, Michelle Sweering and Wiktor Zuba</i> Comparing Elastic-Degenerate Strings: Algorithms, Lower Bounds, and Applications Paper #11
14:25 - 14:50	<i>Sung-Hwan Kim, Francisco Olivares and Nicola Prezza</i> Faster Prefix-Sorting Algorithms for Deterministic Finite Automata Paper #16
14:50 - 15:20	Break
Session 3 (Chair: Marinella Sciortino)	
15:20 - 15:45	<i>Pawel Gawrychowski, Samah Ghazawi and Gad M. Landau</i> Order-Preserving Squares in Strings Paper #13
15:45 - 16:10	<i>Costas Iliopoulos, Tomasz Kociumaka, Jakub Radoszewski, Wojciech Rytter, Tomasz Waleń and Wiktor Zuba</i> Linear Time Computation of Cyclic Roots and Cyclic Covers of a String Paper #15
16:10 - 16:35	<i>Manuel Cáceres</i> Parameterized Algorithms for String Matching to DAGs: Funnels and Beyond (Best paper) Paper #7
16:35 - 17:00	<i>Aaron Boussidan, Pierre Bourhis and Philippe Gambette</i> On Distances between Words with Parameters Paper #6
17:00 - 17:20	Break
17:20 - 18:10	Business meeting

Tuesday, June 27, 2023

Keynote Talk 2 (Chair: Laurent Bulteau)	
09:00 - 10:00	<i>Tatiana Starikovskaya</i> Approximate membership in formal languages
10:00 - 10:20	Break
Session 4 (Chair: Yuto Nakashima)	
10:20 - 10:45	<i>Gonzalo Navarro</i> Computing MEMs on Repetitive Text Collections Paper #24
10:45 - 11:10	<i>Igor Tatarikov, Ardavan Shahrabi Farahani, Sana Kashgouli and Travis Gagie</i> MONI can find k -MEMs Paper #26
11:10 - 11:35	<i>Dominik Köppl</i> Encoding Hard String Problems with Answer Set Programming Paper #17
11:35 - 12:00	<i>Massimo Equi, Arianne Meijer van de Griend and Veli Mäkinen</i> From Bit-Parallelism to Quantum String Matching for Labelled Graphs Paper #9
12:00 - 13:30	Lunch
Session 5 (Chair: Hideo Bannai)	
13:30 - 14:00	<i>Zoe Xi and William Kuszmaul</i> Approximating Dynamic Time Warping Distance Between Run-Length Encoded Strings (Highlight Talk 2)
14:00 - 14:25	<i>Yuichi Asahiro, Hiroshi Eto, Mingyang Gong, Jesper Jansson, Guohui Lin, Eiji Miyano, Hirotaka Ono and Shunichi Tanaka</i> Approximation Algorithms for the Longest Run Subsequence Problem Paper #2
14:25 - 14:50	<i>Matan Kraus, Moshe Lewenstein, Alexandru Popa, Ely Porat and Yonathan Sadia</i> String Factorization via Prefix Free Families Paper #19
15:00	Excursion and conference dinner

Wednesday, June 28, 2023

Keynote Talk 3 (Chair: Inge Li Gørtz)

09:00 - 10:00	<i>Virginia Vassilevska Williams</i> Fredman's Trick Meets Dominance Product: counting and detection equivalences and more
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10:00 - 10:20	Break
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Session 6 (Chair: Avivit Levy)

10:20 - 10:45	<i>Christopher Hampson, Daniel J. Harvey, Costas S. Iliopoulos, Jesper Jansson, Zara Lim and Wing-Kin Sung</i> MUL-Tree Pruning for Consistency and Compatibility Paper #14
10:45 - 11:10	<i>Christian Komusiewicz, Simone Linz, Nils Morawietz and Jannik Schestag</i> On the Complexity of Parameterized Local Search for the Maximum Parsimony Problem Paper #18
11:10 - 11:35	<i>Itai Boneh, Dvir Fried, Adrian Miclăuş and Alexandru Popa</i> Faster algorithms for computing the hairpin completion distance and minimum ancestor Paper #5
11:35 - 12:00	<i>Panagiotis Charalampopoulos, Bartłomiej Dudek, Pawel Gawrychowski and Karol Pokorski</i> Optimal Near-Linear Space Heaviest Induced Ancestors Paper #8

12:00 - 13:30	Lunch
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Session 7 (Chair: Pawel Gawrychowski)

13:30 - 13:55	<i>Eugene Myers</i> Merging Sorted Lists of Similar Strings Paper #22
13:55 - 14:20	<i>Gregory Kucherov and Steven Skiena</i> Improving the Sensitivity of MinHash Through Hash-Value Analysis Paper #20
14:20 - 14:45	<i>Diego Arroyuelo and Juan Pablo Castillo</i> Trie-Compressed Adaptive Set Intersection Paper #1

14:45 - 15:15	Break
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Session 8 (Chair: Marie-Pierre Béal)

15:15 - 15:40	<i>Gabriele Fici, Giuseppe Romana, Marinella Sciortino and Cristian Urbina</i> On the impact of morphisms on BWT-runs Paper #10
15:40 - 16:05	<i>Gonzalo Navarro and Cristian Urbina</i> L-systems for measuring repetitiveness Paper #25
16:05 - 16:30	<i>Hideo Bannai, Mitsuru Funakoshi, Kazuhiro Kurita, Yuto Nakashima, Kazuhisa Seto and Takeaki Uno</i> Optimal LZ-End Parsing is Hard Paper #3

16:30 - 16:40	Closing remarks
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Practical information

Venue

- **Sessions** take place in Maurice Gross auditorium
- **Lunch** is situated in room 2V070, on the second floor. The auditorium will be locked during lunches.
- A **working room** remains open in 2B113, near the lunch room.
- Elevators are only available with a university card, feel free to ask organizers for help if needed.
- **Eduroam** is available throughout the university.

Excursion and Gala Dinner

The excursion consists of a walk near the Seine, followed by a guided tour of the **Quai Branly museum**. The gala dinner will take place on a **cruise boat** on the Seine river.

The trip from the university to Paris and the museum will be in **RER trains**, in two groups. The first group will take a ~ 1h walk from **Auber** station, across Place de la Concorde, by the Petit Palais, and along the Seine to the museum. The second group will directly go to Metro line 9 **Alma-Marceau** station, close to the museum. Anyone is free to follow either group, or choose a path of their own.

Train tickets will be handed to anyone who does not have a *navigo* pass: please inform the registration desk at your arrival if you need one.

Timeline of the excursion:

- 14:50 - session ends
- 15:00 - first group starts (walk to Noisy-Champs, RER train to Auber, long walk to the museum)
- 15:30 - second group starts (walk to Noisy-Champs, RER and Metro trains to Alma-Marceau, short walk to the museum)
- 16:50 - meet at the museum for guided tours (main hall, group meeting point)
 - [map](#)
 - 35 Quai Jacques Chirac, 75007 Paris
 - 48°51'41.8"N 2°17'51.7"E
- 18:30 - end of guided tours, free time near the Seine and Eiffel Tower
- 19:00 - meet at the Montebello boarding point
 - [map](#)
 - 2 Port Debilly, 75016 Paris
 - 48°51'45.0"N 2°17'39.9"E
- 19:30 - cruise starts
- 22:00 - cruise ends

At any point during the trip you can contact the organizers by phone (+33 7 88 46 11 91) or by email (contact.cpm.2023@gmail.com)

[Map of the excursion](#)