# CPM 2018

## 29th Annual Symposium on Combinatorial Pattern Matching

Qingdao, China, July 2-4, 2018

## Accepted papers

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| 1: Yoshifumi Sakai. *Maximal common subsequence algorithms* |
| 2: Rui Henriques,Alexandre Francisco, Luís Russo and Hideo Bannai. *Order-Preserving Pattern Matching Indeterminate Strings* |
| 3: Uwe Baier. *On Undetected Redundancy in the Burrows-Wheeler Transform* |
| 4: Amihood Amir, Avivit Levy and Ely Porat. *Quasi-Periodicity Under Mismatch Errors* |
| 5: Brian Brubach. *Fast Matching-based Approximations for Maximum Duo-preservation String Mapping and its Weighted Variant* |
| 6: Guillaume Blin, Alexandre Blondin Massé, Marie Gasparoux, Sylvie Hamel and Élise Vandomme. *Nearest constrained circular words* |
| 7: Hideo Bannai, Travis Gagie, and Tomohiro I. *Online LZ77 Parsing and Matching Statistics with RLBWTs* |
| 8: Sahar Hooshmand, Sharma V. Thankachan, Paniz Abedin and M. Oguzhan Kulekci. *Non-Overlapping Indexing -- Cache Obliviously* |
| 9: Kotaro Aoyama, Yuto Nakashima, Tomohiro I, Shunsuke Inenaga, Hideo Bannai and Masayuki Takeda. *Faster Online Elastic Degenerate String Matching* |
| 10: Tatsuya Akutsu, Colin de La Higuera and Takeyuki Tamura. *A Simple Linear-time Algorithm for Computing the Centroid and Canonical Form of a Plane Graph and Its Applications* |
| 11: Amihood Amir and Itai Boneh. *Locally Maximal Common Factors as a Tool for Efficient Dynamic String Algorithms* |
| 12: Mitsuru Funakoshi, Yuto Nakashima, Shunsuke Inenaga, Hideo Bannai and Masayuki Takeda. *Longest substring palindrome after edit* |
| 13: Brian Brubach and Jay Ghurye. *A Succinct Four Russians Speedup for Edit Distance Computation and One-against-many Banded Alignment* |
| 14: Shu Zhang, Daming Zhu, Haitao Jiang and Jingjing Ma. *Can a permutation be sorted by best short swaps?* |
| 15: Takafumi Inoue, Shunsuke Inenaga, Heikki Hyyrö, Hideo Bannai and Masayuki Takeda. *Computing longest common square subsequences* |
| 16: Bartlomiej Dudek and Pawel Gawrychowski. *Slowing Down Top Trees for Better Worst-Case Compression* |
| 17: Guillaume Fertin, Julien Fradin and Christian Komusiewicz. *On the Maximum Colorful Arborescence Problem and Color Hierarchy Graph Structure* |
| 18: Rayan Chikhi and Alexander Schönhuth. *Dualities in Tree Representations* |
| 19: Yuki Urabe, Yuto Nakashima, Shunsuke Inenaga, Hideo Bannai and Masayuki Takeda. *Longest Lyndon Substring After Edit* |
| 20: Paniz Abedin, Sahar Hooshmand, Sharma V. Thankachan and Arnab Ganguly. *The Heaviest Induced Ancestors Problem Revisited* |
| 21: Bastien Cazaux and Eric Rivals. *Superstrings with multiplicities* |
| 22: Kilho Shin and Ishikawa Taichi. *Linear-time algorithms for the subpath kernel* |
| 23: Panagiotis Charalampopoulos, Maxime Crochemore, Costas Iliopoulos, Tomasz Kociumaka, Solon Pissis, Jakub Radoszewski, Wojciech Rytter and Tomasz Walen. *Linear-Time Algorithm for Long LCF with k Mismatches* |
| 24: Isamu Furuya, Yuto Nakashima, Tomohiro I, Shunsuke Inenaga, Hideo Bannai and Masayuki Takeda. *Lyndon Factorization of Grammar Compressed Texts Revisited* |