



# CPM 2018

## 29th Annual Symposium on Combinatorial Pattern Matching

Qingdao, China, July 2-4, 2018

Welcome to the website of the 29th Annual Symposium on Combinatorial Pattern Matching (CPM 2018) to be held in **Qingdao, China** on July 2-4, 2018. The venue of the conference will be the Qingdao Campus of Shandong University.

### Paper submissions

- Deadline: ~~February 7, 2018~~, February 14, 2018, anywhere on Earth
- Notification: March 23, 2018
- Camera-Ready: April 13, 2018
- Conference: July 2-4, 2018

### Related events

- On the same dates, the COCOON 2018 meeting will also be organized in the same venue. Those who are also interested in COCOON'2018 can check the COCOON 2018 page.

### ORGANIZERS



Contact: [cpm2018@163.com](mailto:cpm2018@163.com)



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### Accepted papers

- 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, Marié 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: Bartłomiej Dudek and Paweł 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*