



# 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.

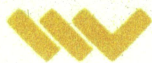
### ORGANIZERS



山东大学  
SHANDONG UNIVERSITY



山东大学(青岛)  
SHANDONG UNIVERSITY QINGDAO



LIPICS

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## Accepted papers

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