ANALCO18 – List of Accepted Papers

Paper titles and author information appears as submitted to Easy Chair.

Paper title and author changes will not be made to this document.
The online program will reflect the most up-to-date presentation details, and is scheduled for posting in November (http://www.siam.org/meetings/analco18/program.php).

Ralph Neininger and Jasmin Straub
Probabilistic analysis of the dual-pivot quicksort "Count"

Sebastian Wild
Quicksort Is Optimal For Many Equal Keys

Rosa M. Jiménez and Conrado Martínez
On Deletions in Open Addressing Hashing

Yinzhan Xu, Richard Peng and Meng He
Parameterizing the Hardness of Binary Search Tree Access Sequences by Inversion Counts

Frederique Bassino, Tsinjo Tony Rakotoarimalala and Andrea Sportiello
The complexity of the Multiple Pattern Matching Problem for random strings

Lisa Hartung, Nina Holden and Yuval Peres
Trace reconstruction with varying deletion probabilities

Joachim Gudmundsson, Irina Kostitsyna, Maarten Löffler, Tobias Mueller, Vera Sacristán and Rodrigo I. Silveira
Theoretical analysis of beaconless geocast protocols in 1D

Chris Whidden and Frederick Matsen
Efficiently Inferring Pairwise Subtree Prune-and-Regraft Adjacencies between Phylogenetic Trees

Maciej Bendkowski, Olivier Bodini and Sergey Dovgal
Polynomial tuning of multiparametric combinatorial samplers

Megan Bernstein, Matthew Fahrbach and Dana Randall
Analyzing Boltzmann Samplers for Bose-Einstein Condensates with Dirichlet Generating Functions

Jérémie Lumbroso and Jessica Shi
Exponential Bounds on Graph Enumerations from Vertex Incremental Characterizations

Konstantinos Panagiotou and Leon Ramzews
Asymptotic Enumeration of Graph Classes with Many Components

Maryam Bahrani and Jérémie Lumbroso
An Exact Enumeration of Cactus Graphs

Colin Cooper, Alan Frieze and Samantha Petti
The covertime of a biased random walk on G(n,p)

Kunal Dutta and C.R. Subramanian
On induced paths, holes and trees in random graphs