Research outputs:

**A separation between RLSLPs and LZ77**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Compressed and Practical Data Structures for Strings**
Research output: Research › Ph.D. thesis – Annual report year: 2018

**Compressed Communication Complexity of Longest Common Prefixes**
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

**Dynamic Relative Compression, Dynamic Partial Sums, and Substring Concatenation**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Finger Search in Grammar-Compressed Strings**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Fingerprints in compressed strings**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Subsequence automata with default transitions**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Compressed Subsequence Matching and Packed Tree Coloring**
Research output: Research - peer-review › Journal article – Annual report year: 2015

**Deterministic indexing for packed strings**
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

**Fast Dynamic Arrays**
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

**Immersive Algorithms: Better Visualization with Less Information**
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

**Lempel-Ziv Compression in a Sliding Window**
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017
Space-Efficient Re-Pair Compression
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Tight bounds for top tree compression
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Time-space trade-offs for lempel-ziv compressed indexing
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Boxed Permutation Pattern Matching.
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Capacitated Vehicle Routing with Non-Uniform Speeds
Research output: Research - peer-review › Journal article – Annual report year: 2016

Distance labeling schemes for trees
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Dynamic Relative Compression, Dynamic Partial Sums, and Substring Concatenation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Finger Search in Grammar-Compressed Strings
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Locating Depots for Capacitated Vehicle Routing
Research output: Research - peer-review › Journal article – Annual report year: 2016

Longest common extensions in trees.
Research output: Research - peer-review › Journal article – Annual report year: 2016

Sparse Text Indexing in Small Space
Research output: Research - peer-review › Journal article – Annual report year: 2016

Subsequence Automata with Default Transitions
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Algorithms and data structures for grammar-compressed strings
Research output: Research › Ph.D. thesis – Annual report year: 2015

Algorithms and Data Structures for Strings, Points and Integers: or, Points about Strings and Strings about Points
Research output: Research › Ph.D. thesis – Annual report year: 2015

Compressed Data Structures for Range Searching
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Longest Common Extensions in Sublinear Space
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Longest Common Extensions in Trees
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015
Longest Common Extensions via Fingerprinting
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Stochastic vehicle routing with recourse
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

String Indexing for Patterns With Wildcards
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

String matching with variable length gaps
Research output: Research - peer-review › Journal article – Annual report year: 2012

Time-Space Trade-offs for Longest Common Extensions
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Active Learning in Large Classes
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Capacitated Vehicle Routing with Non-Uniform Speeds
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Locating Depots for Capacitated Vehicle Routing
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Substring Range Reporting
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

The Tree Inclusion Problem: In Linear Space and Faster
Research output: Research - peer-review › Journal article – Annual report year: 2011

Fast Arc-Annotated Subsequence Matching in Linear Space
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

String Matching with Variable Length Gaps
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Improved Approximate String Matching and Regular Expression Matching on Ziv-Lempel Compressed Texts
Research output: Research - peer-review › Journal article – Annual report year: 2009

Matching Subsequences in Trees
Research output: Research - peer-review › Journal article – Annual report year: 2009

Minimum Makespan Multi-vehicle Dial-a-Ride
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Asymmetric k-Center with Minimum Coverage
Research output: Research - peer-review › Journal article – Annual report year: 2008

Finding Well-Balanced Pairs of Edge-Disjoint Trees in Edge-Weighted Graphs
Research output: Research - peer-review › Journal article – Annual report year: 2007
Improved Approximate String Matching and Regular Expression Matching on Ziv-Lempel Compressed Texts
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Asymmetry in k-Center Variants
Research output: Research - peer-review › Journal article – Annual report year: 2006

Hardness of Preemptive Finite Capacity Dial-a-Ride
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

Matching Subsequences in Trees
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

Projects:

Differential Privacy and Approximation Algorithms
Project: PhD

Flows and Colourings
Project: PhD

Graph Coloring and Decomposition
Project: PhD

Compressed Computation on Structured Data
Project: PhD

Algorithms for Compressed Computation
Project: PhD

Matching and Compression of Strings with Automata and Word Packing
Project: PhD

Decomposition of Graphs
Project: PhD

Algorithms for Metadata
Project: PhD

Fast Approximate Tree Pattern Matching
Project: PhD

Approximate Text Indexing and String Matching Algorithms
Project: PhD