

LIST OF PUBLICATIONS

Sergey Nikolenko, Ph.D., Steklov Institute of Mathematics at St. Petersburg

Journal papers (Web of Science / Scopus)

1. P. Eugster, K. Kogan, S.I. Nikolenko, A.V. Sirotkin. Heterogeneous Packet Processing in Shared Memory Buffers. Published online ahead of print, *Journal of Parallel and Distributed Computing*, 2017.
2. K. Kogan, A. Lòpez-Ortiz, S.I. Nikolenko, G. Scalosub, M. Segal. Large profits or fast gains: A Dilemma in Maximizing Throughput with Applications to Network Processors. *Journal of Network and Computer Applications*, vol. 74, 2016, pp. 31–43.
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12. S.I. Nikolenko, A.I. Korobeynikov, M.A. Alekseyev. BayesHammer: Bayesian clustering for error correction in single-cell sequencing. *BMC Genomics*, vol. 14, Suppl. 1, S7, 2013.
13. S.I. Nikolenko, D. Tugaryov. A Complete One-Way Function based on a Finite Rank Free (ZxZ)-module. *Journal of Mathematical Sciences*, vol. 192, no. 3, pp. 307–315, 2013. Russian version: *Zapiski nauchnyh seminarov POMI (Journal of Mathematical Sciences)*, vol. 402, 2012, pp. 91–107.
14. A.P. Davydow, S.I. Nikolenko. Circuit Complexity of Linear Functions: Gate Elimination and Feeble Security. *Journal of Mathematical Sciences*, vol. 188, no. 1, pp. 35–43, 2013. Russian version: *Zapiski nauchnyh seminarov POMI (Journal of Mathematical Sciences)*, vol. 399, 2012, pp. 65–87.

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26. S.I. Nikolenko, K. Kogan. Single and Multiple Buffer Processing. *Encyclopaedia of Algorithms*, Springer, 2014, pp. 1–9.
27. S.I. Nikolenko. Provably secure cryptographic constructions. In J. Sen (ed.), *Cryptography and Security in Computing*, InTech publishing, 2012, pp. 3-22.
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30. S.I. Nikolenko, K. Kogan, A. Fernàndez Anta. Network Simplification Preserving Bandwidth

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 32. S.I. Nikolenko. Topic Quality Metrics Based on Distributed Word Representations. Accepted to Proc. 39th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2016), 2016, pp. 1029–1032.
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 34. K. Kogan, S.I. Nikolenko, P. Eugster, A. Shalimov, O. Rottenstreich. FIB Efficiency in Distributed Platforms. Proc. 24th IEEE International Conference on Network Protocols (ICNP 2016), 2016.
 35. S.I. Nikolenko, K. Kogan, G. Retvari, E.R. Berczi-Kovacs, A. Shalimov. How to Represent IPv6 Forwarding Tables on IPv4 or MPLS Dataplanes. Proc. 2016 IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS): GI 2016: 9th IEEE Global Internet Symposium (IEEE GI 2016), 2016.
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