

## **PUBLICATIONS (AILabs Team)**

### **Anuar Sharafudinov**

- 1) Oren Segal, Justin Cabot-Miller, Kira Adaricheva, J.B.Nation, Anuar Sharafudinov, "The Bases of Association Rules of High Confidence", August 2018
- 2) Anuar Sharafudinov, Olzhas Makhambetov, Aibek Makazhanov, "2nd International Conference on Turkic Languages Processing", November 2014
- 3) Anuar Sharafudinov, Olzhas Makhambetov, Aibek Makazhanov, "On Certain Aspects of Kazakh Part-of-Speech Tagging, Application of Information and Communication Technologies", October 2014
- 4) Anuar Sharafudinov, Olzhas Makhambetov, Aibek Makazhanov, Islam Sabyr, "Assembling the Kazakh Language Corpus", October 2013

### **Magzhan Ikram**

- 1) Liwei Yang; Magzhan Ikram; Swathi Gurumani; Suhaib Fahmy; Deming Chen; Kyle Rupnow. "JIT trace-based verification for high-level synthesis", International Conference on Field Programmable Technology (FPT), IEEE 2015
- 2) Theodoros Leontiou, Magzhan Ikram, Kenes Beketayev, Marios M. Fyrillas, "Heat transfer enhancement of a periodic array of isothermal pipes", International Journal of Thermal Sciences. Elsevier 2016
- 3) A Abzhanov, K Beketayev, I Taimanov, Y Bazaikin, B Matkarimov, M Ikram, "The complex of topological methods and algorithms applicable to data analysis". Nazarbayev University 2013
- 4) G Krylov, N Zarlyk, M Ikram, A Abzhanov, Y Akhmetbekov, B Kallemov, "GPU accelerated shake and rattle algorithms for systems with holonomic constraints", Nazarbayev University 2014

### **Abdiyeva Kamilla**

#### **PUBLICATIONS**

- 1) Abdiyeva K., Tibeyev T., Lukac M., "Capacity Limits of Fully Binary CNN," in ISMVL (IEEE), May 2020.
- 2) Abdiyeva K., Yap K.H., Wang G., Ahuja N., Lukac M., "Quantized-by-LookUp CNN," in ICARCV (IEEE), Nov 2018.
- 3) M. Lukac, K. Abdiyeva and M. Kameyama, "CNOT-Measure Quantum Neural Networks," in ISMVL (IEEE), . 2018
- 4) Lukac M., Abdiyeva K., Kim A., Kameyama K., "Reasoning and Algorithm Selection Augmented Symbolic Segmentation," in Proceedings of IEEE Intelligent Systems Conference (IntelliSys), London, UK, Sep 2017.

5) Lukac M., Abdiyeva K., Fujioka Y., Kameyama K., "Algorithm Selection Platform in Real-World Intelligent Systems," in Proceedings of the CAINE, San Diego, California, USA, Oct 2015.

6) Lukac M., Abdiyeva K., Kameyama K., "Evaluation of Algorithm Selection Approach for Semantic Segmentation Based on High-Level Information Feedback," in Proceedings of the Information and Digital Technologies (IEEE), Zilina, Slovakia, Jul 2015.

7) Lukac M., Abdiyeva K., Kameyama K., "Symbolic Segmentation Using Algorithm Selection and Semantic Feedback," in SUNw Workshop (organized in conjunction with CVPR), Boston, Massachusetts, USA, Jun 2015.

#### JOURNALS

1) Liu J., Wang G., Duan L-Y., Abdiyeva K., Kot A. C., "Skeleton-Based Human Action Recognition With Global Context-Aware Attention LSTM Networks," in IEEE Transactions on Image Processing, vol. 27, no. 4, pp. 1586-1599, Apr. 2018.

1) Lukac M., Abdiyeva K., Kameyama K., "Evaluation of Component Algorithms in an Algorithm Selection Approach to Semantic Segmentation Based on High-Level Information Feedback," in Radio Electronics, Computer Science, Control, No. 1, 2016, pp. 92-100, DOI 10.15588/1607-3274-2016-1-11.