Kirill Akhmetzyanov

Personal Details

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Education

Perm National Research Polytechnic University, PhD   2017 - present
Thesis: "*Development of computer vision algorithm based on neural networks for sorting of plastic materials*"
Advisor: Alexander Yuzhakov
Department of Electrical Engineering

Perm National Research Polytechnic University, Master of Science   2012 - 2017
Thesis: "*Development of face recognition program for access control systems*"
Advisor: Alexander Yuzhakov
Department of Electrical Engineering

Journal and Conference Publications

1. **Kirill Akhmetzyanov**, Alexander Yuzhakov. "Multi-Task Multicriteria Hyperparameter Optimization." *arXiv preprint arXiv:2002.06372.* 2020.

2. **Kirill Akhmetzyanov**, Alexander Yuzhakov, Andrey Kokoulin. "Neural Network Development Based on Knowledge about Environmental Influence." *2020 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering (ElConRus)*. IEEE, 2020.

3. **Kirill Akhmetzyanov**, Alexander Yuzhakov. "Waste sorting neural network architecture optimization." *2019 International Russian Automation Conference (RusAutoCon)*. IEEE, 2019.

4. **Kirill Akhmetzyanov**, Alexander Yuzhakov. "Neural Network Development on the Basis of Knowledge of Environment Exposures." *Neurocomputers: Development and Application*. No. 3. 2019.

5. **Kirill Akhmetzyanov**, Alexander Yuzhakov. "Neural Network Architecture Optimization for Waste Group Sorting." *Saint Petersburg Electrotechnical University Journal*. No. 7. 2019.

6. **Kirill Akhmetzyanov**, Alexander Yuzhakov. "Convolutional Neural Networks Comparison for Waste Sorting Tasks." *Saint Petersburg Electrotechnical University Journal*. No. 6. 2018.

Patents

1. **Kirill Akhmetzyanov**, Alexander Tur, Andrey Kokoulin, Alexander Yuzhakov. "Binocular Vision Program Taking into Account the Distance to the Object". 2019.

2. Alexander Tur, Andrey Kokoulin, **Kirill Akhmetzyanov**, Alexander Yuzhakov. "Automatic Machine for Receiving Waste". 2019.

Other Professional Activities

1. Participant of TensorFlow Research Cloud (TFRC) program   2019 - present

2. **Kirill Akhmetzyanov**, Alexander Yuzhakov. "Neural Network Development Based on Knowledge about Environmental Influence". *Poster Session on OpenTalks*. 2019.