

Dorobek naukowy

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1. Daniel Dworak, Filip Ciepiela, et al. "Performance of LiDAR object detection deep learning architectures based on artificially generated point cloud data from CARLA simulator". W: 2019 24th International Conference on Methods and Models in Automation and Robotics (MMAR). 2019, s. 600–605.
2. Daniel Dworak. "BlurNet: Keeping Collected Data Private with a Neural Network Based Pipeline". W: Advanced, Contemporary Control. Springer International Publishing, 2020, s. 1237–1248.
3. Jerzy Baranowski et al. "Analiza danych i optymalizacja w Przemysle 4.0 — Data analysis and optimization in Industry 4.0". W: Wydział Elektryczny AGH – Wczoraj, Dziś i Jutro. 2022, s. 43–52.
4. Daniel Dworak i Jerzy Baranowski. "Adaptation of Grad-CAM Method to Neural Network Architecture for LiDAR Pointcloud Object Detection". W: Energies 15.13, 2022.
5. Filip Ciepiela, Mariusz Karol Nowak, et al. "Automotive Radar Detection Level Modeling with Neural Networks". W: Advanced, Contemporary Control. Cham: Springer Nature Switzerland, 2023, s. 254–265.
6. D. Dworak and J. Baranowski, "Cross-Domain Spatial Matching for Monocular 3D Object Detection," IECON 2023- 49th Annual Conference of the IEEE Industrial Electronics Society, Singapore, Singapore, 2023, pp. 1-6, doi: 10.1109/IECON51785.2023.10311851.

Patenty i wnioski patentowe:

7. Mateusz Komorkiewicz et al. "Vehicles, systems, and methods for determining an entry of an occupancy map of a vicinity of a vehicle". EP3832531A1, Aplikacja patentowa. 2021.
8. Filip Ciepiela, Mateusz Komorkiewicz, et al. "Method and system for determining an output of a convolutional block of an artificial neural network". EP3885996A1, Aplikacja patentowa. 2021.
9. Mateusz Wójcik et al. "Method and system for interpolation and method and system for determining a map of a surrounding of a vehicle". EP3975105A1, Aplikacja patentowa. 2022.
10. Ori Maoz et al. "Methods and systems for determining candidate data sets for labelling". EP3985560A1, Aplikacja patentowa. 2022.