

**Advancement in perception capabilities for autonomous vehicles : from dataset collection to scene interpretation =
Autonoomsete sõidukite tajuvõimekuse täiustamine : andmekogumisest stseeni tõlgendamiseni**

Gu, Junyi 2024 https://www.eester.ee/record=b5703761*est <https://digikogu.taltech.ee/et/Item/a1d10aec-0115-4574-8548-356884ec5e86>
<https://doi.org/10.23658/taltech.60/2024>

Camera-LiDAR fusion based object segmentation in adverse weather conditions for autonomous driving

Gu, Junyi; Bellone, Mauro; Lind, Artjom 2024 19th Biennial Baltic Electronics Conference (BEC) 2024

<https://doi.org/10.1109/BEC61458.2024.10737955> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

CLFT : camera-LiDAR fusion transformer for semantic segmentation in autonomous driving

Gu, Junyi; Bellone, Mauro; Pivonka, Tomas; Sell, Raivo IEEE Transactions on Intelligent Vehicles 2024 / 12 p

<https://doi.org/10.1109/TIV.2024.3454971>

CLFT : camera-LiDAR fusion transformer for semantic segmentation in autonomous driving : preprint

Gu, Junyi; Bellone, Mauro; Pivonka, Tomas; Sell, Raivo arXiv.org 2024 / 12 p. : ill <https://doi.org/10.48550/arXiv.2404.17793>

End-to-end multimodal sensor dataset collection framework for autonomous vehicles

Gu, Junyi; Lind, Artjom; Chhetri, Tek Raj; Bellone, Mauro; Sell, Raivo Sensors 2023 / art. 6783, 25 p. : ill

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LiDAR-camera fusion based object segmentation in adverse weather conditions for autonomous driving

Gu, Junyi; Lind, Artjom; Bellone, Mauro AIP Conference Proceedings 2023

A Novel Vision Transformer for Camera-LiDAR Fusion based Traffic Object Segmentation

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Object segmentation for autonomous driving using iseAuto data

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Range sensor overview and blind-zone reduction of autonomous vehicle shuttles

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Robot bus low-level control system transformation to an open-source solution

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