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Member of the [Cyber-physical Mobility Group](#)

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About

I am a member of the [Cyber-physical Mobility Group](#). Within the SFB / TRR 339 I am researching on cooperative sensor data fusion for the automotive area.

Research

I am doing research on cooperative sensor data fusion in the context of the [digital twin of the road system](#). The project focuses on data obtained from a sensitive road surface layer. The project includes a simulation, a test setup in the [CPM Lab](#) and testing on the real road in Dresden.

Theses

If you are interested in a bachelor or master thesis, please contact me via email. Your own suggestions for topics are also possible.

HiWi/WiHi Jobs

Current job offers can be found [here](#). Unsolicited applications are also welcome. Your application

should include an overview of your grades and a short curriculum vitae.

Current Positions in my Project

We currently have no open positions in this project.

Publikationen

[SSK+23]

[PDFBIB](#)

Schäfer, S., Steidl, H., Kowalewski, S., and Alrifaae, B., "Investigating a Pressure Sensitive Surface Layer for Vehicle Localization", in *Proc. IEEE IV 2023 : IEEE Intelligent Vehicles Symposium : Anchorage, Alaska, USA, June 4-7, 2023 / sponsors and organizers: IEEE, IEEE Intelligent Transportation Systems Society*, Piscataway, NJ, 2023, IEEE, p. 6.

Investigating a Pressure Sensitive Surface Layer for Vehicle Localization

Bibtex entry :

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@inproceedings { SSK+23,  
  author = { Sch{"a"}fer, Simon and Steidl, Hendrik and Kowalewski,  
    Stefan and Alrifaae, Bassam },  
  title = { Investigating a Pressure Sensitive Surface Layer for  
Vehicle  
    Localization },  
  booktitle = { IEEE IV 2023 : IEEE Intelligent Vehicles Symposium :  
    Anchorage, Alaska, USA, June 4-7, 2023 / sponsors and  
    organizers: IEEE, IEEE Intelligent Transportation Systems  
    Society },  
  publisher = { IEEE },  
  pages = { 6 Seiten },  
  year = { 2023 },  
  address = { Piscataway, NJ },  
  organization = { 34. IEEE Intelligent Vehicles Symposium,  
Anchorage, AK  
    (USA), 2023-06-04 - 2023-06-07 },  
  doi = { 10.1109/IV55152.2023.10186582 },  
  typ = { PUB:(DE-HGF)7 },  
  reportid = { RWTH-2023-07808 },  
  cin = { 122810 / 120000 },  
  url = {  
http://publications.rwth-aachen.de/record/963410/files/963410.pdf },  
  illkey = { DFG project 453596084 - TRR 339: Digitaler Zwilling  
    Stra{"ss"}e – Physikalisch-informatiorische Abbildung des  
    Systems „Stra{"ss"}e der Zukunft“ (453596084) },
```

}

[MSA22]

PDFBIB

Mokhtarian, A., Schäfer, S., and Alrifaae, B., "CPM Olympics: Development of Scenarios for Benchmarking in Networked and Autonomous Driving", in *Proc. 2022 IEEE Intelligent Vehicles Symposium (IV) : 4-9 June 2022 / publisher: IEEE, Piscataway, NJ, 2022, IEEE, pp. 9-15.*

CPM Olympics: Development of Scenarios for Benchmarking in Networked and Autonomous Driving

Bibtex entry :

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@inproceedings { MSA22,  
    author = { Mokhtarian, Armin and Sch{"a"}fer, Simon and Alrifaae,  
        Bassam },  
    title = { CPM Olympics: Development of Scenarios for Benchmarking  
in  
        Networked and Autonomous Driving },  
    booktitle = { 2022 IEEE Intelligent Vehicles Symposium (IV) : 4-9  
June  
        2022 / publisher: IEEE },  
    publisher = { IEEE },  
    pages = { 9-15 },  
    year = { 2022 },  
    address = { Piscataway, NJ },  
    organization = { 33. IEEE Intelligent Vehicles Symposium, Aachen  
(Germany),  
        2022-06-04 - 2022-06-09 },  
    doi = { 10.1109/IV51971.2022.9827299 },  
    typ = { PUB:(DE-HGF)7 },  
    reportid = { RWTH-2022-08486 },  
    cin = { 122810 / 120000 },  
    url = {  
http://publications.rwth-aachen.de/record/852943/files/852943.pdf },  
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