Dr.-Ing. Alexandru Kampmann

Member of the Cyber-physical Mobility Group

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About

I am a member of the Cyber-physical Mobility Group. I am researching automotive-grade service-oriented software architectures in the context of the UNICARagil project.

Bachelor/Master Thesis

If you are interested in a Bachelor's or Master's thesis, please contact me by e-mail. Your own suggestions are also possible.

Open HiWi/WiHi Positions

Current vacancies can be found here. Unsolicited applications are also welcome. Applications should include a grade overview and a short CV.

Patents

- Methods and systems for opening of a vehicle access point using audio or video data associated with a user
- Passenger tracking systems and methods
- Inductive loop detection systems and methods
- Pedestrian detection when a vehicle is reversing
- Sinkhole detection systems and methods
- Detecting hazards in anticipation of opening vehicle doors
- Rear camera stub detection
- Accident attenuation systems and methods
- Lane detection systems and methods
- Vehicle localization using cameras

Publications

[BMA+23]
PDFBIB

Böhlen, B., Meyer, O., Alrifaee, B., Beerwerth, J., Kampmann, A., Kowalewski, S., Konersmann, M., Rumpe, B., and Steinfurth, F., "Software-Defined Vehicle – Herausforderungen in der Diagnose dienstorientierter Fahrzeugarchitekturen", in *Proc. Diagnose in mechatronischen Fahrzeugsystemen XVI : Software-Defined Vehicle, SOVD, Maschinelles Lernen und KI, Standardisierung, HU und ADAS / Prof. Dr. Bernard Bäker, Dipl.-Ing. Andreas Unger (Hrsg.) und 53 Mitautoren*, Dresden, 2023, TUDpress, pp. 17-28.

Software-Defined Vehicle – Herausforderungen in der Diagnose dienstorientierter Fahrzeugarchitekturen

Bibtex entry :

```
@inproceedings {  BMA+23,
    author = { B{\"o}hlen, Boris and Meyer, Oliver and Alrifaee, Bassam
and
        Beerwerth, Julius and Kampmann, Alexandru and Kowalewski,
        Stefan and Konersmann, Marco and Rumpe, Bernhard and
        Steinfurth, Felix },
    title = { Software-Defined Vehicle – Herausforderungen in der
        Diagnose dienstorientierter Fahrzeugarchitekturen },
    booktitle = { Diagnose in mechatronischen Fahrzeugsystemen XVI :
        Software-Defined Vehicle, SOVD, Maschinelles Lernen und KI,
        Standardisierung, HU und ADAS / Prof. Dr. Bernard B{\"a}ker,
        Dipl.-Ing. Andreas Unger (Hrsg.) und 53 Mitautoren },
    publisher = { TUDpress },
    pages = { 17-28 },
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    year = { 2023 },
    address = { Dresden },
    organization = { 16. Tagung Diagnose in mechatronischen
Fahrzeugsystemen,
        Dresden (Germany), 2023-05-23 - 2023-05-24 },
    typ = { PUB:(DE-HGF)7 },
    reportid = { RWTH-2023-10164 },
    cin = { 122810 / 121510 / 120000 },
    url = {
http://publications.rwth-aachen.de/record/972417/files/972417.pdf },
    i11key = { BMBF 01IS22088A - Verbundprojekt MANNHEIM-AUTOtech.agil:
        Architektur und Technologien zur Orchestrierung
        automobiltechnischer Agilit{\"a}t (01IS22088A) },
}
```

[Kam23]
PDFBIB

Kampmann, A., "A dynamic service-oriented software architecture for the automotive domain", PhD Thesis, Aachen, 2023.

A dynamic service-oriented software architecture for the automotive domain

Bibtex entry :

```
@phdthesis {  Kam23,
    author = { Kampmann, Alexandru },
    othercontributors = { Kowalewski, Stefan and Eckstein, Lutz },
    title = { A dynamic service-oriented software architecture for the
        automotive domain },
    publisher = { RWTH Aachen University },
    school = { RWTH Aachen University },
    pages = { 1 Online-Ressource : Illustrationen },
    series = { Aachener Informatik-Berichte (AIB) },
    year = { 2023 },
    address = { Aachen },
    doi = { 10.18154/RWTH-2024-00864 },
    typ = { PUB:(DE-HGF)11 },
    reportid = { RWTH-2024-00864 },
    cin = { 122810 / 120000 },
    url = {
http://publications.rwth-aachen.de/record/977648/files/977648.pdf },
}
```

[KLK+22]
PDFBIB

Kampmann, A., Lüer, M., Kowalewski, S., and Alrifaee, B., "Optimization-based Resource Allocation for an Automotive Service-oriented Software Architecture", in *Proc. 2022 IEEE Intelligent Vehicles Symposium (IV) : 4-9 June 2022 / publisher: IEEE*, Piscataway, NJ, 2022, IEEE, pp. 678-687.

Optimization-based Resource Allocation for an Automotive Service-oriented Software Architecture

Bibtex entry :

```
@inproceedings {  KLK+22,
    author = { Kampmann, Alexandru and L{\"u}er, Maximilian and
Kowalewski,
        Stefan and Alrifaee, Bassam },
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        Service-oriented Software Architecture },
    booktitle = { 2022 IEEE Intelligent Vehicles Symposium (IV) : 4-9
June
        2022 / publisher: IEEE },
    publisher = { IEEE },
    pages = { 678-687 },
    year = { 2022 },
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(Germany),
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    cin = { 122810 / 120000 },
    url = {
http://publications.rwth-aachen.de/record/853127/files/853127.pdf },
}
```

[KLP+22]
PDFBIB
Kampmann, A., Lamberti, M., Petrovic, N., Kowalewski, S., and Alrifaee, B., "Investigating Outdoor Recognition Performance of Infrared Beacons for Infrastructure-based Localization", in *Proc. 2022 IEEE Intelligent Vehicles Symposium (IV) : 4-9 June 2022 / publisher: IEEE*, Piscataway, NJ, 2022, IEEE, pp. 1107-1113.

Investigating Outdoor Recognition Performance of Infrared Beacons for Infrastructure-based Localization

Bibtex entry :

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@inproceedings {  KLP+22,
    author = { Kampmann, Alexandru and Lamberti, Michael and Petrovic,
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    title = { Investigating Outdoor Recognition Performance of Infrared
        Beacons for Infrastructure-based Localization },
    booktitle = { 2022 IEEE Intelligent Vehicles Symposium (IV) : 4-9
June
        2022 / publisher: IEEE },
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    publisher = { IEEE },
    pages = { 1107-1113 },
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    organization = { 33. IEEE Intelligent Vehicles Symposium, Aachen
(Germany),
        2022-06-04 - 2022-06-09 },
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    url = {
http://publications.rwth-aachen.de/record/853126/files/853126.pdf },
}
```

[KMK+22]
PDFBIB

Kampmann, A., Mokhtarian, A., Kowalewski, S., and Alrifaee, B., "ASOA - A Dynamic Software Architecture for Software-defined Vehicles", in *Proc. [31st Aachen Colloquium Sustainable Mobility 2022]*, 2022.

ASOA - A Dynamic Software Architecture for Software-defined Vehicles

Bibtex entry :

```
@inproceedings {  KMK+22,
    author = { Kampmann, Alexandru and Mokhtarian, Armin and
Kowalewski,
        Stefan and Alrifaee, Bassam },
    title = { ASOA - A Dynamic Software Architecture for Software-
defined
        Vehicles },
    booktitle = { [31st Aachen Colloquium Sustainable Mobility 2022] },
    year = { 2022 },
    organization = { 31. Aachen Colloquium Sustainable Mobility 2022 },
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    reportid = { RWTH-2022-11158 },
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    url = {
http://publications.rwth-aachen.de/record/856836/files/856836.pdf },
}
```

[JSG+21]
PDFBIB

Jatzkowski, I., Stolte, T., Graubohm, R., Maurer, M., Kampmann, A., Alrifaee, B., Kowalewski, S., Buchholz, M., and Dietmayer, K., "Integration of a Vehicle Operating Mode Management into UNICARagil’s Automotive Service-oriented Software Architecture", in *Proc. 30. Aachen Colloquium Sustainable Mobility : October 4th-6th, 2021 / scientific management: Univ.-Prof. Dr.-Ing. Lutz Eckstein, Univ.-Prof. Dr.-Ing. Stefan Pischinger ; organizational management:*

Michaela Wacker (M. Sc.), Jonas Müller (M. Sc.) ; organized by: Institute for Automotive Engineering (RWTH Aachen University), Institute for Combustion Engines (RWTH Aachen University), Aachen, 2021, Institute for Automotive Engineering, RWTH Aachen University, pp. 595-614.

Integration of a Vehicle Operating Mode Management into UNICARagil’s Automotive Service-oriented Software Architecture

Bibtex entry :

```
@inproceedings {  JSG+21,
    author = { Jatzkowski, Inga and Stolte, Torben and Graubohm, Robert
and
        Maurer, Markus and Kampmann, Alexandru and Alrifaee, Bassam
        and Kowalewski, Stefan and Buchholz, Michael and Dietmayer,
        Klaus },
    title = { Integration of a Vehicle Operating Mode Management into
        UNICARagil’s Automotive Service-oriented Software
        Architecture },
    booktitle = { 30. Aachen Colloquium Sustainable Mobility : October
        4th-6th, 2021 / scientific management: Univ.-Prof. Dr.-Ing.
        Lutz Eckstein, Univ.-Prof. Dr.-Ing. Stefan Pischinger ;
        organizational management: Michaela Wacker (M. Sc.), Jonas
        M{\"u}ller (M. Sc.) ; organized by: Institute for Automotive
        Engineering (RWTH Aachen University), Institute for
        Combustion Engines (RWTH Aachen University) },
    publisher = { Institute for Automotive Engineering, RWTH Aachen
University },
    pages = { 595-614 },
    year = { 2021 },
    address = { Aachen },
    organization = { 30. Aachen Colloquium Sustainable Mobility, Aachen
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    typ = { PUB:(DE-HGF)7 },
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    cin = { 122810 / 120000 },
    url = {
http://publications.rwth-aachen.de/record/840892/files/840892.pdf },
}
```

[KSM+21]
PDFBIB
Kloock, M. M., Scheffe, P., Maczijewski, J., Kampmann, A., Mokhtarian, A., Kowalewski, S., and Alrifaee, B., "Cyber-Physical Mobility Lab : An Open-Source Platform for Networked and Autonomous Vehicles", in *Proc. 2021 European Control Conference (ECC)*, [Piscataway, NJ], 2021, IEEE, pp. 1937-1944.

Cyber-Physical Mobility Lab : An Open-Source Platform for Networked and Autonomous Vehicles

Bibtex entry :

```
@inproceedings {  KSM+21,
    author = { Kloock, Maximilian Martin and Scheffe, Patrick and
        Maczijewski, Janis and Kampmann, Alexandru and Mokhtarian,
        Armin and Kowalewski, Stefan and Alrifaee, Bassam },
    title = { Cyber-Physical Mobility Lab : An Open-Source Platform for
        Networked and Autonomous Vehicles },
    booktitle = { 2021 European Control Conference (ECC) },
    publisher = { IEEE },
    pages = { 1937-1944 },
    year = { 2021 },
    address = { [Piscataway, NJ] },
    organization = { 2021 European Control Conference, online,
2021-06-29 -
        2021-07-02 },
    doi = { 10.23919/ECC54610.2021.9654986 },
    typ = { PUB:(DE-HGF)7 },
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    url = { http://publications.rwth-aachen.de/record/838069 },
}
```

[MKL+21]
PDFBIB
Mokhtarian, A., Kampmann, A., Lüer, M., Kowalewski, S., and Alrifaee, B., "A Cloud Architecture for Networked and Autonomous Vehicles", *IFAC-PapersOnLine*, vol. 54, iss. 2, pp. 233-239, 2021

A Cloud Architecture for Networked and Autonomous Vehicles

Bibtex entry :

```
@article {  MKL+21,
    author = { Mokhtarian, Armin and Kampmann, Alexandru and L{\"u}er,
        Maximilian and Kowalewski, Stefan and Alrifaee, Bassam },
    title = { A Cloud Architecture for Networked and Autonomous
Vehicles },
    journal = { IFAC-PapersOnLine },
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    volume = { 54 },
    number = { 2 },
    year = { 2021 },
    address = { Frankfurt },
    issn = { 2405-8963 },
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    organization = { 16. IFAC Symposium on Control in Transportation
Systems,
        online, 2021-06-08 - 2021-06-10 },
    doi = { 10.1016/j.ifacol.2021.06.028 },
    typ = { PUB:(DE-HGF)16 },
    reportid = { RWTH-2021-09294 },
    cin = { 122810 / 120000 },
    url = {
http://publications.rwth-aachen.de/record/828696/files/828696.pdf },
}
```

[KMR+20]
PDFBIB

Kampmann, A., Mokhtarian, A., Rogalski, J., Kowalewski, S., and Alrifaee, B., "Agile Latency Estimation for a Real-time Service-oriented Software Architecture", *IFAC-PapersOnLine*, vol. 53, iss. 2, pp. 5795-5800, 2020

Agile Latency Estimation for a Real-time Service-oriented Software Architecture

Bibtex entry :

```
@article {  KMR+20,
    author = { Kampmann, Alexandru and Mokhtarian, Armin and Rogalski,
Jan
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    publisher = { Elsevier },
    pages = { 5795-5800 },
    volume = { 53 },
    number = { 2 },
    year = { 2020 },
    address = { Frankfurt ; M{\"u}nchen [u.a.] },
    issn = { 2405-8963 },
    organization = { 21. IFAC World Congress on Automatic Control -
Meeting
        Societal Challenges, Berlin (Germany), 2020-07-11 -
        2020-07-17 },
    doi = { 10.1016/j.ifacol.2020.12.1619 },
    typ = { PUB:(DE-HGF)16 },
    reportid = { RWTH-2021-06497 },
    cin = { 122810 / 120000 },
    url = {
http://publications.rwth-aachen.de/record/822016/files/822016.pdf },
}
```

[LvW+20]
PDFBIB

Lampe, B., van Kempen, R., Woopen, T., Kampmann, A., Alrifaee, B., and Eckstein, L., "Reducing Uncertainty by Fusing Dynamic Occupancy Grid Maps in a Cloud-based Collective Environment Model", in *Proc. 2020 IEEE Intelligent Vehicles Symposium (IV) / publisher: IEEE*, Piscataway, NJ, 2020, IEEE, pp. 837-843.

Reducing Uncertainty by Fusing Dynamic Occupancy Grid Maps in a Cloud-based Collective Environment Model

Bibtex entry :

```
@inproceedings {  LvW+20,
    author = { Lampe, Bastian and van Kempen, Raphael and Woopen, Timo
and
        Kampmann, Alexandru and Alrifaee, Bassam and Eckstein, Lutz },
    title = { Reducing Uncertainty by Fusing Dynamic Occupancy Grid
Maps
        in a Cloud-based Collective Environment Model },
    booktitle = { 2020 IEEE Intelligent Vehicles Symposium (IV) /
publisher:
        IEEE },
    publisher = { IEEE },
    pages = { 837-843 },
    year = { 2020 },
    address = { Piscataway, NJ },
    organization = { 31. IEEE Intelligent Vehicles Symposium, online,
2020-10-19
        - 2020-11-13 },
    doi = { 10.1109/IV47402.2020.9304816 },
    typ = { PUB:(DE-HGF)7 },
    reportid = { RWTH-2021-02777 },
    cin = { 414110 / 122810 / 120000 },
    url = { http://publications.rwth-aachen.de/record/815706 },
}
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[LvW+20a]
PDFBIB

Lampe, B., van Kempen, R., Woopen, T., Kampmann, A., Alrifaee, B., and Eckstein, L., "Reducing Uncertainty by Fusing Dynamic Occupancy Grid Maps in a Cloud-based Collective Environment Model", , p. 7, 2020

Reducing Uncertainty by Fusing Dynamic Occupancy Grid Maps in a Cloud-based Collective Environment Model

Bibtex entry :

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@article {  LvW+20a,
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    author = { Lampe, Bastian and van Kempen, Raphael and Woopen, Timo
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Maps
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    pages = { 7 Seiten },
    year = { 2020 },
    typ = { PUB:(DE-HGF)25 },
    reportid = { RWTH-2021-04037 },
    cin = { 414110 / 122810 / 120000 },
    url = {
http://publications.rwth-aachen.de/record/817686/files/817686.pdf },
}
```

[MKA+20]
PDFBIB

Mokhtarian, A., Kampmann, A., Alrifaee, B., Kowalewski, S., Lampe, B., and Eckstein, L., "Agile Requirement Engineering for a Cloud System for Automated and Networked Vehicles", in *Proc. 2nd International Workshop on Autonomous Systems Design : ASD 2020, March 13, 2020, Grenoble, France, converted to a virtual event due to COVID-19, held in April 2020 / edited by Sebastian Steinhorst, Jyotirmoy V. Deshmukh*, Saarbrücken/Wadern, Germany, 2020 in OpenAccess Series in Informatics, Schloss Dagstuhl - Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing, August, p. 4:1-4:8.

Agile Requirement Engineering for a Cloud System for Automated and Networked Vehicles

Bibtex entry :

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@inproceedings {  MKA+20,
    author = { Mokhtarian, Armin and Kampmann, Alexandru and Alrifaee,
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    title = { Agile Requirement Engineering for a Cloud System for
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    booktitle = { 2nd International Workshop on Autonomous Systems
Design :
        ASD 2020, March 13, 2020, Grenoble, France, converted to a
        virtual event due to COVID-19, held in April 2020 / edited
        by Sebastian Steinhorst, Jyotirmoy V. Deshmukh },
    publisher = { Schloss Dagstuhl - Leibniz-Zentrum f{\"u}r Informatik
GmbH,
        Dagstuhl Publishing, August },
    pages = { 4:1-4:8 },
    series = { OpenAccess Series in Informatics },
    year = { 2020 },
    address = { Saarbr{\"u}cken/Wadern, Germany },
    organization = { 2. International Workshop on Autonomous Systems
Design,
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        Grenoble (France), 2020-03-12 - 2020-03-13 },
    doi = { 10.4230/OASIcs.ASD.2020.4 },
    typ = { PUB:(DE-HGF)7 },
    reportid = { RWTH-2020-08417 },
    cin = { 122810 / 120000 / 414110 },
}
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[MKA+20a]
PDFBIB

Mokhtarian, A., Kampmann, A., Alrifaee, B., and Kowalewski, S., "The Dynamic Service-oriented Software Architecture for the UNICARagil Project", in *Proc. 29. Aachen Colloquium Sustainable Mobility : October 5th-7th, 2020, digital event / scientific management: Univ.-Prof. Dr.-Ing. Lutz Eckstein, Univ.-Prof. Dr.-Ing. Stefan Pischinger ; organizational management: Michaela Wacker (M. Sc.), Jonas Müller (M. Sc.) ; organized by: Institute for Automotive Engineering, RWTH Aachen University; Institute for Combustion Engines, RWTH Aachen University. - 1: October 6th, 2020*, Aachen, 2020, Institute for Automotive Engineering, RWTH Aachen University ; Aachen : Institute for Combustion Engines, RWTH Aachen University, pp. 275-284.

The Dynamic Service-oriented Software Architecture for the UNICARagil Project

Bibtex entry :

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@inproceedings {  MKA+20a,
    author = { Mokhtarian, Armin and Kampmann, Alexandru and Alrifaee,
        Bassam and Kowalewski, Stefan },
    title = { The Dynamic Service-oriented Software Architecture for
the
        UNICARagil Project },
    booktitle = { 29. Aachen Colloquium Sustainable Mobility : October
        5th-7th, 2020, digital event / scientific management:
        Univ.-Prof. Dr.-Ing. Lutz Eckstein, Univ.-Prof. Dr.-Ing.
        Stefan Pischinger ; organizational management: Michaela
        Wacker (M. Sc.), Jonas M{\"u}ller (M. Sc.) ; organized by:
        Institute for Automotive Engineering, RWTH Aachen
        University; Institute for Combustion Engines, RWTH Aachen
        University. - 1: October 6th, 2020 },
    publisher = { Institute for Automotive Engineering, RWTH Aachen
University
        ; Aachen : Institute for Combustion Engines, RWTH Aachen
        University },
    pages = { 275-284 },
    year = { 2020 },
    address = { Aachen },
    organization = { 29. Aachen Colloquium Sustainable Mobility = 29.
Aachener
        Kolloquium Fahrzeug- und Motorentechnik, Aachen (Germany),
        2020-10-05 - 2020-10-07 },
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    typ = { PUB:(DE-HGF)7 },
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    reportid = { RWTH-2020-11256 },
    cin = { 122810 / 120000 },
    url = {
http://publications.rwth-aachen.de/record/807282/files/807282.pdf },
}
```

[SMK+20]
PDFBIB

Scheffe, P., Maczijewski, J., Kloock, M. M., Kampmann, A., Derks, A., Kowalewski, S., and Alrifaee, B., "Networked and Autonomous Model-scale Vehicles for Experiments in Research and Education", *IFAC-PapersOnLine*, vol. 53, iss. 2, pp. 17332-17337, 2020

Networked and Autonomous Model-scale Vehicles for Experiments in Research and Education

Bibtex entry :

```
@article {  SMK+20,
    author = { Scheffe, Patrick and Maczijewski, Janis and Kloock,
        Maximilian Martin and Kampmann, Alexandru and Derks, Andreas
        and Kowalewski, Stefan and Alrifaee, Bassam },
    title = { Networked and Autonomous Model-scale Vehicles for
        Experiments in Research and Education },
    journal = { IFAC-PapersOnLine },
    publisher = { Elsevier },
    pages = { 17332-17337 },
    volume = { 53 },
    number = { 2 },
    year = { 2020 },
    address = { Frankfurt },
    issn = { 2405-8963 },
    organization = { 21. IFAC World Congress, online, 2020-07-11 -
2020-07-17 },
    doi = { 10.1016/j.ifacol.2020.12.1821 },
    typ = { PUB:(DE-HGF)16 },
    reportid = { RWTH-2021-03987 },
    cin = { 122810 / 120000 },
    url = {
http://publications.rwth-aachen.de/record/817552/files/817552.pdf },
}
```

[KAK+19]
PDFBIB

Kampmann, A., Alrifaee, B., Kohout, M., Wüstenberg, A., Woopen, T., Nolte, M., Eckstein, L., and Kowalewski, S., "A Dynamic Service-Oriented Software Architecture for Highly Automated Vehicles", in *Proc. The 2019 IEEE Intelligent Transportation Systems Conference - ITSC : Auckland, New Zealand, 27-30 October 2019 / IEEE, IEEE-ITSC 2019, ITSS - IEEE Intelligent Transportation Systems Society*, Piscataway, NJ, 2019, IEEE, pp. 2101-2108.

A Dynamic Service-Oriented Software Architecture for Highly Automated Vehicles

Bibtex entry :

```
@inproceedings {  KAK+19,
    author = { Kampmann, Alexandru and Alrifaee, Bassam and Kohout,
Markus
        and W{\"u}stenberg, Andreas and Woopen, Timo and Nolte,
        Marcus and Eckstein, Lutz and Kowalewski, Stefan },
    title = { A Dynamic Service-Oriented Software Architecture for
Highly
        Automated Vehicles },
    booktitle = { The 2019 IEEE Intelligent Transportation Systems
Conference
        - ITSC : Auckland, New Zealand, 27-30 October 2019 / IEEE,
        IEEE-ITSC 2019, ITSS - IEEE Intelligent Transportation
        Systems Society },
    publisher = { IEEE },
    pages = { 2101-2108 },
    year = { 2019 },
    address = { Piscataway, NJ },
    organization = { 22. IEEE Intelligent Transportation Systems
Conference,
        Auckland (New Zealand), 2019-10-27 - 2019-10-30 },
    doi = { 10.1109/ITSC.2019.8916841 },
    typ = { PUB:(DE-HGF)7 },
    reportid = { RWTH-2019-11214 },
    cin = { 122810 / 414110 / 120000 },
    url = { http://publications.rwth-aachen.de/record/773699 },
}
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[KNR+19]
PDFBIB

Keilhoff, D., Niedballa, D., Reuss, H., Buchholz, M., Gies, F., Dietmayer, K., Lauer, M., Stiller, C., Ackermann, S., Winner, H., Kampmann, A., Alrifaee, B., Kowalewski, S., Klein, F., Struth, M. M., Woopen, T., and Eckstein, L., "UNICARagil - New architectures for disruptive vehicle concepts", in *Proc. 19. Internationales Stuttgarter Symposium : Automobil- und Motorentechnik / Michael Bargende, Hans-Christian Reuss, Andreas Wagner, Jochen Wiedemann (Hrsg.)*, Wiesbaden ; [Heidelberg], 2019 in Proceedings, Springer Vieweg, pp. 830-842.

UNICARagil - New architectures for disruptive vehicle concepts

Bibtex entry :

```
@inproceedings {  KNR+19,
    author = { Keilhoff, Dan and Niedballa, Dennis and Reuss,
        Hans-Christian and Buchholz, Michael and Gies, Fabian and
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        Dietmayer, Klaus and Lauer, Martin and Stiller, Christoph
        and Ackermann, Stefan and Winner, Hermann and Kampmann,
        Alexandru and Alrifaee, Bassam and Kowalewski, Stefan and
        Klein, Fabian and Struth, Michael Manfred and Woopen, Timo
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Automobil- und
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[KWA+19]
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[KGK17]
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Kalkov, I., Gurghian, A., and Kowalewski, S., "Explicit prioritization of parallel Intent broadcasts in real-time Android", in *Proc. Concurrency and computation*, Chichester, 2017, vol. 29, Wiley.

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[KGK15]
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Predictable Broadcasting of Parallel Intents in Real-Time Android

Bibtex entry :

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