

Dr.-Ing. Bassam Alrifaae



BIO

Dr. Bassam Alrifaae is a Senior Researcher and Lecturer in the Department of Computer Science at RWTH Aachen University (RWTH), Germany. He is the founding director of the [Cyber-Physical Mobility \(CPM\) group](#) and the [CPM Lab](#) at RWTH. In 2023, he held a visiting scholar position with Professor Andreas Malikopoulos' Information and Decision Science (IDS) lab at the University of Delaware, USA. Dr. Alrifaae earned his Diploma degree in Computer Science from the Technical University of Ilmenau, Germany, and his PhD in Mechanical Engineering from RWTH in 2010 and 2017, respectively. His research in cyber-physical mobility systems focuses on (i) distributed predictive control, (ii) service-oriented architectures for control systems, and (iii) applications of (i) and (ii) to Connected and Automated Vehicles (CAVs).

He is a recipient of the starting grant for early-career researchers from the German Research Foundation (DFG) Research Training Group 1856: Integrated Energy Supply Modules for On-Road Electromobility. Dr. Alrifaae has secured several DFG research grants, including projects in the Priority Program 1835: Cooperatively Interacting Automobiles and the Collaborative Research Centre Transregio 339: Digital Twin of the Road System. He has also received an individual research grant. As a Principal Investigator, Dr. Alrifaae leads a project funded by the German Federal Ministry for Digital and Transport and serves as a Co-Principal Investigator for two projects funded by the German Federal Ministry of Education and Research. Additionally, he has been the Principal Investigator for two projects funded by industrial partners. Dr. Alrifaae is a recipient of a teaching grant from the Exploratory Teaching Space of RWTH.

In his advisory role, Dr. Alrifaae's PhD student, Patrick Scheffe, was awarded the Young Research Award 2023 by the Intelligent Transportation Systems Society Germany Chapter for outstanding work in the CPM Lab. Currently, Dr. Alrifaae serves as an Associate Editor of the IEEE Transactions on Intelligent Vehicles and holds Senior Member status within the IEEE.

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Publications

The latest list of my publications can be found in [Google Scholar](#).

Read more

The website of the [Cyber-Physical Mobility Group](#) provides information on my research and teaching activities as well as funding acquisition.

See also

- [Cyber-Physical Mobility Group](#)
- [Cyber-Physical Mobility Lab](#)
- [GEPRIS - Projects funded by the DFG](#)
- [Google Scholar](#)
- [dblp computer science bibliography](#)
- [ORCID](#)
- [ResearchGate](#)
- [GitHub of of Cyber-Physical Mobility Group](#)
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Last update: **2023/12/04 21:43**

