

Postdoctoral Researcher Position

Our Profile:

Our lab, led by Dr. Bassam Alrifaae, specializes in intelligent control of autonomous systems, with a particular focus on multi-agent systems. Our research spans distributed predictive control, service-oriented software architectures, localization systems, and applications to connected and automated vehicles (CAVs). We strive to contribute not only to the safety and performance of these systems but also to their environmental impact. Funded by public organizations and industrial partners, we engage in various projects in this dynamic research area.

Embracing diversity, equity, and Inclusion, we recognize that multiple, different perspectives and backgrounds are important for advancing our research goals. Additionally, our commitment extends to education, and we actively value and contribute to teaching. Through this multifaceted approach, we aim to foster a holistic environment that integrates cutting-edge research, diversity, and educational excellence.

About the Position:

We are offering a postdoctoral researcher position. The specific focus can be collaboratively determined with the postdoc, covering areas such as learning-based control or software architectures, as well as applications to planning-related or energy-related aspects in CAVs. This opportunity is ideal for recent PhD graduates aiming to establish their scientific profile. We actively support the development of the postdoc's own research strand, offering comprehensive assistance for qualifying for independent researcher positions, including professorships.

Your Profile:

- Completed PhD in automation engineering, robotics, computer science, or a related discipline.
- Knowledge in our research fields is advantageous.
- Commitment to fostering a collaborative team spirit.
- Enjoyment of interdisciplinary research and the ability to lead a research team.

Your Tasks:

The existing research and ongoing projects within the lab will serve as an excellent foundation for your scientific development. This position offers the opportunity to collaborate with leading international researchers. Additionally, we expect you to:

- Contribute to the supervision of lab members.
- Co-manage the acquisition and administration of lab projects.
- Participate in lab teaching activities.

Our Offer:

The position is available for immediate occupancy and is limited to a duration of up to 5 years. This is a full-time role, valued at EG 14 TVöD.

Instructions for Application:

Please compile your application into a single PDF file, ensuring it is less than 5MB in size. Include the following documents:

- 1) Cover letter (maximum 200 words)
- 2) CV and certificates

- 3) Research statement (maximum 150 words)
- 4) Teaching statement (maximum 100 words)
- 5) Statement of contributions to diversity, equity, and inclusion (maximum 100 words)
- 6) List of three representative publications
- 7) List of three references

Please submit your application before March 31 to bassam.alrifaae@rwth-aachen.de with the subject line "Application Postdoc."

We encourage prospective candidates to reach out with any questions or for further clarification. We look forward to welcoming enthusiastic and dedicated individuals to our team.