



The Automation and Control Institute (ACIN) at TU Wien is offering the following

PhD-Position (m/f/d) in Industrial Robotics

What you'll be doing

In the Complex Dynamical Systems Group (**Prof. Andreas Kugi**) and in close cooperation with **internationally active, industrial research partners** you will research new methods for path and trajectory planning and the control of robotic systems as well as develop novel concepts for human-robot interaction for the application in an industrial environment.

Research topics

- Mathematical modeling of robotic systems with advanced kinematic and dynamic effects
- Complex path and trajectory planning for challenging manufacturing tasks
- Novel human-robot interaction and robot programming concepts
- Advanced control and interaction concepts based on path following control
- Experimental validation on laboratory setups and prototypes

Your profile

- Master's degree in mathematics, automatic control, computer science, mechatronics, robotics, electrical engineering or mechanical engineering
- Excellent technical understanding and analytical capabilities
- High commitment and motivation, willingness to contribute to academic teaching
- Team spirit, strong communication skills, goal orientation, structured, and responsible way of working
- Very good command of written and spoken English, basic skills in German favorable

We offer

- Future-oriented research and innovative solutions for the latest problems
- Scientific freedom and time to author a PhD dissertation
- Solid training and continuing education as well as participation in international conferences
- Promotion, support, dialog, and cooperation in a motivated and interdisciplinary team
- Cooperation with a renowned, internationally active, industrial research partners
- Secured funding and well-equipped infrastructure
- Employment contract for 3 years (40 hours a week) with option for extension
- Gross salary of € 42.820,40 p.a.

We are looking forward to receiving your application including the usual documents via e-mail sent to ochsenreiter@acin.tuwien.ac.at. In case of questions, please contact Prof. Andreas Kugi (e-mail: kugi@acin.tuwien.ac.at).

About us

The Automation and Control Institute (ACIN) belongs to the Faculty of Electrical Engineering and Information Technology of TU Wien. At ACIN, more than 80 researchers conduct basic research, solve challenging practical problems, cooperate with industrial research partners, develop innovations, and offer students excellent academic teaching in the fields systems theory, automation, and control engineering. More info at <https://www.acin.tuwien.ac.at/komplexe-dynamische-systeme-cds/>.