

**In the Research Unit Automation Systems, E191-03, a PhD-Position (m/f/d): Industrial Internet of Things** is to be filled from April 1st, 2023 until March 31st, 2026, 40 hours a week.

The Research Unit Automation Systems part of the **Institute of Computer Engineering** (Faculty of Informatics) of TU Wien is researching concepts for the Industrial Internet of Things (IIoT), focusing on the digitalization of Industry 4.0, Smart Energy Grids, and Smart Buildings. In these domains, we are building cyber-physical systems (CPS) with safety and security aspects in mind. Many of our projects deal with integrating runtime data and prediction models into these CPSs, building so-called "Digital Twins" to optimize the underlying system or process.

To support our team, we are looking for someone to assist us in national and international research projects focusing on digital twinning. Your activities will include the development of new concepts in this area as well as implementing proofs-of-concept. Furthermore, you will publish your findings in scientific journals and have the possibility to participate in international conferences worldwide.

With the position, the opportunity to pursue a Ph.D. and work with cutting-edge technologies in the area is associated. Through the comprehensive internal training offering at TU Wien, you can also improve your personal skills to prepare for your future research or industry career.

**Profile:**

- Master degree in computer science/informatics (or similar programs)
- Interest in research in information technology with a focus on industrial control systems and information modeling (IT/OT convergence)
- Excellent knowledge of English and good German language skills
- Ability to work in a team, collaborate effectively with other PhDs, interest in interdisciplinary work

We offer flexible working hours to support your work-life balance, exchange with other Ph.D. students, and support from experienced researchers in our team. The employment contract will run for 3 years (up to 40 hours a week) with option for extension and a gross salary of € 45.882,20 p.a (40h).

**The application deadline is March 30th, 2023.**

Please send your application to: Personaladministration, Fachbereich wiss. Personal der TU Wien, Karlsplatz 13, 1040 Wien or [contact@auto.tuwien.ac.at](mailto:contact@auto.tuwien.ac.at)  
Candidates are not eligible for a refund of expenses for travelling and lodging related to the application process.