



TU Wien is currently establishing an interdisciplinary Doctoral College (DC) on “Trust in Robots – Trusting Robots” to foster cutting-edge research in robotics and AI at the TU Wien. The main objective of the DC is, to comprehensively analyse “trust” in the context of robot technology from various perspectives including but not limited to social sciences and economics, computer science and mathematics, electrical and mechanical engineering, and architecture. We offer

10 PhD positions in the Doctoral College “Trust in Robots – Trusting Robots”

Topics in the DC comprise the following areas, all with a joint focus on trust building:

- Understanding **social agency** and **anthropomorphism** in social robotics
- Creating trust through **body language, joint attention, and scene understanding** in human-robot interaction
- Advanced **control, vision and cognition concepts** for **safe human robot cooperation** in uncertain and dynamic environments
- **Skepticism, confidence, and overconfidence in decisions** and actions of robots
- **Division of labor** and trust in hybrid manufacturing settings

More details on the 10 PhD positions and topics, the structure of the DC, the course program and the application process can be found at <http://www.trustrobots.eu/>.

Come and join us! The TU Wien is a great place to work and has approx. 4.700 employees and 30.000 students. It is located in the very center of the city and has a **longstanding, internationally recognized reputation** for research, innovation and entrepreneurship in the heart of Europe. Vienna has been awarded nine times in a row the title “**best city to live in worldwide**”, for humans and robots 😊, by the Mercer Quality of Living Ranking.

Your profile:

- You have a **master’s or equivalent degree** in any field related to robotics and AI research (from social sciences over humanities to degrees in science, engineering and technology fields).
- You are dedicated to our mission to develop **technology for people**, a human-centered approach to responsible technology development.
- You are interested to work in a **diverse, interdisciplinary research team**.
- You have **excellent English** skills and proven **methodological skills** in your research area.

We offer:

- The possibility to realize your PhD project in a **structured PhD program**, including summer schools and lecture series.
- The support and supervision of your PhD by an **international and interdisciplinary team of professors and researchers** in the areas of robotics, AI and social sciences.
- The possibility to collaborate in an **international team of PhD students** with a joint research interest.
- The possibility to **permanently experiment** with and realize research ideas in a **living lab**.
- The possibility to present your work at **international conferences**.

The DC will fund 10 PhD positions, **each 25h/week, for the duration of 3 years**. Additionally, we will offer funding for the attendance of **international conferences and summer schools**. The yearly salary for the PhD position is regulated in the collective agreement for Austrian Universities and is, depending on previous relevant work experience, at least € 24.452,40 for 25h/week. Additionally, TU Wien offers, upon availability, **opportunities to join other funded research projects** (up to 40h/week in total) and/or **involve candidates in teaching**.

Duration of DC: September 1st 2018 to August 31st 2021
Application period: April 19th 2018 to Mai 31st 2018
Planned hearing: between June 18th 2018 and June 29th 2018 in Vienna

To apply, please send (1) a **full CV**, (2) a **conceptual proposal**, and (3) **relevant own work**, e.g., selected papers, Master thesis, portfolio, etc. The **conceptual proposal should focus on at least one of the proposed 10 topics** offered in the DC (<http://www.trustrobots.eu/>). We expect a **short (2-4 pages) formulation of the research question**, how you would **approach a solution**, and your **personal motivation** including **prior qualifications**. We explicitly encourage interdisciplinary applications and applications from female candidates. Conforming to the gender equality policy of TU Wien, female candidates will be given priority in case of equivalent qualifications.

Electronic applications have to be sent to: rene.fuchs@tuwien.ac.at only!

For further details or inquiries, you can contact Markus Vincze vincze@acin.tuwien.ac.at or Sabine Köszegi sabine.koeszegi@tuwien.ac.at.