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Der Wissenschaftsfonds.

Multiple Fully Funded PhD Positions

At the Institute for Information Systems Engineering, **Research Group High Performance Computing Systems led by Univ. Prof. Ivona Brandic**, Vienna University of Technology, multiple PhD positions are available fully funded by FWF.

We are looking for persons with a Dipl.-Ing. / MSc. in computer science, mathematics, software & information engineering or similar field with a background in one (or more) following areas: software engineering, systems science, distributed systems, virtualized HPC systems or data science. The candidates should already have

- demonstrated strong work commitment and the ability for independent work but also as a team player
- strong interpersonal and communication skills.

In our cutting edge project we push boundaries of current paradigms, programming and resilience models to develop a new generation of Edge systems acting as integrators between hybrid systems, focusing in particular on the intersection of von Neumann and Quantum architectures.

We expect the candidate to have strong knowledge in at least one of the following areas:

- formal methods (e.g., model checking, temporal logic)
- machine learning (e.g., DBNs)
- in-situ testing and simulations (e.g., stochastic simulations)

Experience with Quantum IDEs (Qiskit, pennylane, etc.) is not mandatory but a big plus. Our working language is English and there is no need to learn German, although we will encourage and support any German-learning ambitions. There are no teaching duties unless they are desired. More information about the HPC research group: <http://hpc.ec.tuwien.ac.at>

We offer an excellent working environment in a highly-motivated team with diverse expertise, competencies, research backgrounds, and career stages.

We offer competitive salaries for FWF project staff (14 × per annum):

- **30h per week € 2.464,80 gross**

Applications are accepted until positions are filled. Starting is possible at any time. Applications including a curriculum vitae, scanned transcripts, motivation letter with a research statement (2 pages max.), and contact information of at least two references (as a single PDF document) to Ivona.Brandic@tuwien.ac.at with the subject "PHD@Triton".