



Ph.D. positions in 3D nano-electronics

The **Max Planck Institute of Microstructure Physics**, Halle, Germany, Department NISE, Director Prof. Stuart S. P. Parkin, is currently recruiting **Ph.D. positions in 3D nano-electronics**. At the institute we have recently built a state-of-the-art apparatus for the fabrication of 3D micro- and nano-structures, and have already achieved very promising results. We are currently looking for Ph.D. candidates who are interested in related research on 3D electronics.

YOUR TASKS

The candidate will be introduced to:

- design, fabrication and characterization of 3D devices, from device conception, to design iteration, and measurements, in collaboration with other colleagues where necessary,
- contributing to an inclusive and dynamic team-working environment.

YOUR PROFILE

The candidate should be highly creative, proactive, self-motivated and capable of independent work towards beyond state-of-the-art objectives. Active participation and engagement in the research activities of the group is highly desirable.

We seek candidates with:

- a background in Physics, preferably with specific knowledge in either spintronics or optoelectronics,
- programming skills are highly beneficial, specifically Python and/or C++,
- 3D CAD design is beneficial but not required.

WE OFFER

- access to state-of-the-art facilities for 3D device fabrication and material growth,
- an open and engaging working environment addressing some of the most impactful problems in the field with the freedom to contribute your ideas to solve high-impact problems,
- schedule flexibility,
- remuneration amounting to 65% EG13 TVöD-Bund.

All necessary training will be carried out after admission.

The starting date is flexible but should not be later than January 2022.

YOUR APPLICATION

- For applications and any other questions, please email michael.strauch@mpi-halle.mpg.de with reference to job code **3Dnano-PhD** including CV and motivation letter.
- The Max Planck Institute of Microstructure Physics gives priority to applications from severely disabled candidates with equivalent qualifications. Furthermore, we strive to increase the proportion of female employees and therefore specifically encourage women to apply.
- For more information please visit www.mpi-halle.mpg.de/NISE

