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**Universität Stuttgart**

## Call for Scientific Software Developer

We are seeking a software developer for the software ESPResSo ([espressomd.org](http://espressomd.org)). It is mainly used to perform particle-based MD simulations in the fields of statistical and biological physics and process engineering. Its main strength is to combine a large number of simulation schemes, including hydrodynamic and long-range electrostatic solvers, with coarse-grained particle-based molecular dynamics. It combines a C/C++ core with a Python interface.

### What we are looking for

- Strong skills in C++ and Python
- Experience in scientific computing
- Experience in software engineering concepts
- Experience in development tools for continuous integration, such as Git and a CI testing platform such as Travis or Gitlab-CI
- Degree in Computer Science, software engineering, natural sciences or a similar subject
- PhD is of advantage
- If your degree is in an other field, proven interest in natural sciences (e.g., as a side-subject in a computer science degree, or previous involvement in a natural science project)
- Strong communication skills in English, both oral and written

### What we are offering

- Full-time 3-year position in the TV-LE 13 remuneration group of the German states
- Possibility to earn a PhD if desired
- The ability to work on a simulation package used world wide for published scientific projects
- The opportunity to get to know a broad variety of simulation techniques and their applications
- Close interaction with the scientists using the software
- The possibility to visit and interact with scientific groups using the software

The deadline for the application is 15.4.2018 or until position is filled. The desired starting date is as soon as possible. Send your application as a PDF via email to: [application@icp.uni-stuttgart.de](mailto:application@icp.uni-stuttgart.de)