

## **Open position: Scientific software developer**

Institute of Plasma Physics of the Czech Academy of Science, Prague, Czech Republic, is seeking a talented, motivated scientific software developer. Our team develops high-quality scientific software within the international fusion community. The candidate will primarily work with Jakub Urban and the CODAC team on software for integrated simulations in plasma physics and on data acquisition and handling software for large fusion experiments, applied to the COMPASS tokamak and future experiments like ITER or JT-60SA. This position is particularly targeted to Eurofusion engineering grants (see <https://www.euro-fusion.org/collaborators/europe-education-training-programme/eurofusion-researcher-fellowships/> for the previous call). These grants (or training fellowships) require specific candidates, as detailed below. The work is to be carried within a wide international collaboration and with competitive salary conditions, provided the grant is awarded to IPP Prague. The deadline for proposals is 28 August 2015, please contact us well before this date.

### **The successful candidate will:**

- work well in a dynamic, collaborative environment,
- be eager to adopt good software engineering practices and methodologies,
- be able to write clear, highly organized, and maintainable code,
- have some experience working with codes written by other people.

### **Minimum Requirements:**

- Master degree in Engineering (or any equivalent university degree in Engineering) with a professional experience of less than 6 years after the master degree
- Software development experience
- Object-oriented design and programming
- Ability to implement, understand, and maintain mathematical and scientific codes
- Working with Linux operating systems
- Proficient verbal and written communication in English

### **Desired experience:**

- Programming in Python, C/C++, Fortran, Java
- Data processing
- Supercomputing, OpenMP, threads, MPI, GPUs
- Open-source development

In case of interest, please send a cover letter and your CV to [personal@ipp.cas.cz](mailto:personal@ipp.cas.cz).

For more information, please contact

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