

## Stellenausschreibung

The CoDaC group of the Greifswald branch of IPP is looking for a

### Computer Scientist (m/f)

#### Responsibilities

- Development of data acquisition concepts for plasma diagnostics and plant systems at the W7-X Stellarator
- Development of data acquisition software including driver development for the standard DAQ hardware used at W7-X ( $\mu$ TCA-based or National Instruments) in JAVA and/or C++ as well as software development for data analysis and data storage
- Development and enhancement of the real-time control and machine protection systems
- Test, monitoring, maintenance and documentation of existing DAQ systems

#### Requirements

- Completed MS (or higher) in computer science or related field,
- Experience with DAQ Systems at large-scale research facilities,
- Understanding of DAQ hardware and signal processing are considered an advantage
- Experience in software development in Java and/or C/C++,
- Experience with real-time operating systems (RT-Linux or vxWorks) and programming in C/C++ under real-time constraints is an asset,
- Understanding of common software engineering methodologies,
- Strong problem solving and analytical skills
- Attention to detail
- Excellent verbal and written communication skills; can effectively articulate a problem and solution to both technical and non-technical audience
- Strong knowledge and understanding of Object-oriented principles and software design patterns

#### What you can expect

- An exceptional research position at one of the largest scientific projects in Germany
- Remuneration and benefits according to the German public service collective bargaining agreement (TVÖD) up to level 14.
- Additional co-financed pension plan for German public servants
- The position is term-limited until 30.06.2021

The IPP seeks to increase the proportion of employed women in those areas where they are underrepresented and explicitly encourages women to apply for this position. The IPP is committed to employing more disabled individuals and especially encourages them to apply.

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Please send your completed application with the **code number gw23/18** by the 16. December 2018 to [bewerbung-greifswald@ipp.mpg.de](mailto:bewerbung-greifswald@ipp.mpg.de) or our above address.

