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Three open positions for scientific employees m/f (PhD) in the following three research topics:

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FRIEDRICH-SCHILLER-UNIVERSITÄT JENA

Three open positions for scientific employees m/f (PhD) in the following three research topics:

Friedrich-Schiller-Universität Jena Jena

The Friedrich Schiller University Jena connects: People and ideas, science and business, universities and non-university research. Rooted in the heart of Germany and linked to the whole world, it shapes Jena's character as a future-oriented and cosmopolitan city. At the Institute for Applied Physics (IAP) of the Friedrich Schiller University Jena has

Activities and responsibilities

"Digital Imaging with Artificial Intelligence" Reg.-Nr.: 124/2019

You will develop and research digital imaging and phase reconstruction using modern methods of artificial intelligence such as artificial neural networks. For this purpose, you have already acquired profound optical knowledge and programming experience.

"High-resolution microscopy in a water window" Reg.-Nr.: 125/2019

You will develop and use novel laser beam sources in the so-called water window between 2.3 and 4.4 nm wavelength for high-resolution digital microscopy of organic and biological samples. Ideally, you already have experience with lasers, vacuum systems and XUV or X-rays.

"Ultra-fast XUV spectroscopy in molecules, ions and solids" Reg.-Nr.: 126/2019

You will investigate ultrafast processes in molecules, ions and solids with XUV laser sources. Experience in laser physics, atomic and molecular physics is desirable.

Qualification profile

- Diploma or Master's degree in physics, optionally computer science or related subject,
- open communication and the ability to work in a team,
- solid language skills in German and English

Benefits

- an exciting field of activity with creative leeway,
- multidisciplinary research environment,
- globally unique laboratory infrastructure and equipment worldwide,
- university health promotion and a family-friendly working environment with flexible working hours,attractive fringe benefits, e.g. Capital Assets, Job Ticket (benefits for public transport), occupational pensions (VBL),
- salary in accordance with the terms of the collective agreement for the public service of the Länder (TV-L) in accordance with personal qualifications up to EG 13

Send application to

The position is for a limited period of time, dependent on the project duration, with the possibility of an extension if appropriate. The doctoral position is 75 % (30 hours per week).

Severely handicapped people are given preference in case of equal qualifications, aptitude and professional qualifications.

If you are interested, please send your documents mentioning the registration number until 15.07.2019 to:

Prof. Dr. Jens Limpert
Helmholtz Institute Jena & Institute of Applied Physics
Friedrich-Schiller-University Jena
Albert-Einstein-Str. 15
07745 Jena, Germany
Tel. +49 (0) 3641 947811
Email: jens.limpert@uni-jena.de
www.iap.uni-jena.de

In the case of an application by letter we ask you to submit your documents only as copies, as those are properly destroyed after the application process. Please also note our application hints at: www.uni-jena.de/stellenmarkt_hinweis.html.

Teilzeit, Befristete Anstellung Promotionsstelle Aktualisiert am 04.06.2019

Bitte beziehen Sie sich bei Ihrer Bewerbung auf jobvector und geben Sie die folgende Referenznummer an: **124/2019, 125/2019, 126/2019**
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