



Nanomechanics Group

Prof. Dr. Eva Weig

The **nanomechanics group** at the Department of Physics of the University of Konstanz invites motivated researchers to apply for a

PhD Position within the EU-funded Marie Curie European Training Network (ETN) *Optomechanical Technologies (OMT)*

The successful candidate will focus on **cavity nano-optomechanics with nanomechanical resonators processed from atomically thin two-dimensional materials** such as BN or MoS₂. The project includes the fabrication of resonators, their mechanical characterization as well as the investigation of their optomechanical interactions with a high finesse, fiber-based Fabry-Pérot microcavity. In addition, the candidate will be part of the OMT network comprising partners from 14 European research institutions, and benefit from continuous exchange and collaboration. Furthermore, participation in innovative training modules, including a series of hands-on workshops, international conferences, and outreach activities are included in the OMT project. Marie Curie Fellows enjoy the benefits of full social security, competitive monthly living, mobility and family allowance.

The ideal candidate must hold a master degree in physics (or equivalent). According to the ETN mobility rule, the candidate must not have resided, worked or studied in Germany for more than 12 months in the 3 years prior to the recruitment. Besides excellent experimental and theoretical skills as well as a good team spirit, cleanroom experience, or prior experience with nano- or cavity optomechanical systems are desirable. Particularly female candidates are encouraged to apply.

Research in the Weig group focuses on the dynamics of nanomechanical resonators of high quality factors. We employ these tiny nanoresonators for challenging basic research, seeking an understanding of new and interesting phenomena, and evaluate their application potential in fundamental physics as well as practical devices. We offer a highly **stimulating and collaborative environment** with internationally recognized research activities and multidisciplinary collaborations.

To apply, please send an email to eva.weig@uni-konstanz.de by **31.12.1016**. Your application should include a letter emphasizing your background and scientific interest as well as qualifications and your motivation to apply, a detailed CV, a list of publications, the contact details of at least to references, as well as the academic transcripts of BSc and MSc grades.

Additional information is available at www.nano.uni-konstanz.de.