



seit 1558



Fraunhofer Institut
Angewandte Optik
und Feinmechanik

Post-Doctoral Position in Modern Optics

In a new EU FP6 Marie-Curie Transfer-of-Knowledge project we invite applications for a two year post-doc researcher position which starts 1 March 2007 earliest. The project is a cooperation between the Friedrich Schiller University Jena and the Fraunhofer Institute for Applied Optics and Precision Engineering, Jena. Research includes the theory, fabrication, characterization of linear and nonlinear photonic nanostructures as well as their application in optical signal processing and imaging.

The center for »ultra optics« is a joint research facility of the Friedrich Schiller University Jena and the Fraunhofer Institute for Applied Optics and Precision Engineering Jena. As an active, internationally highly visible science center with strong links and cooperations to several institutes world-wide, the center offers excellent research opportunities in an interdisciplinary and international research group.

Applicants should be highly motivated, enthusiastic individuals, capable of thinking and working in a team. Furthermore, applicants should have experience or interest in at least one of the following fields:

- Linear and nonlinear characterization of photonic elements.
- Modeling of nano optic and micro optic structures (numerical methods, high performance computing, rigorous models).
- Fabrication of photonic nano and micro structures in glass, polymers, ferroelectrics, and metals.

We offer a competitive salary according to the Marie-Curie standard rates: Roughly 4000 Euro per month basic allowance plus 500 to 800 Euro per month mobility allowance, depending on family status.

Applicants should have a doctoral degree or four years of full-time research experience. Applicants must be nationals of EU member states, candidate states or associated countries (Swiss and EFTA-nationals are also eligible). German citizens can apply only, if they have worked outside EU and associated states for at least 4 of the last 5 years, or have worked for an international organization within Germany (e.g. EU, ESA or ESO). Other international candidates can be considered in exceptional cases. For eligibility, check the EU Marie-Curie web pages or check with us. Knowledge of German language is not a pre-requisite.

Qualified candidates should submit their application to:

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or

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Further information can be found on the center's website at: www.ultra-optics.org. Applications are permanently considered until a suitable candidate is found.