



Vrije Universiteit Brussel

Prof. Dr. Jan Danckaert

Department of Applied Physics and Photonics (TONA)

Pleinlaan 2, B-1050 Brussels, Belgium

tel: +32 2 629 3659 (secr: 3453)

fax: + 32 2 629 3450

@: jan.danckaert@vub.ac.be

<http://www.tona.vub.ac.be>

Brussels, June 9, 2009

Doctoral and Postdoctoral Research Fellowships

The Dept. of Applied Physics and Photonics (TONA) is an international and multifaceted research team of the Vrije Universiteit Brussel (VUB) located in the capital of Europe and Belgium. Our general policy is to combine fundamental challenges with more applied research topics. This makes TONA not only an internationally oriented research group, but also a particularly interdisciplinary one, with the critical mass and expertise to provide a truly fertile environment for researchers. We are one of the participating institutions in the Erasmus Mundus MSc in Photonics (see <http://www.master-photonics.org/>), as well as in the Belgian photonics network [Photonics@be](http://www.photonics.be). Research in semiconductor laser dynamics and dynamics in photonics components in general, both theoretical and experimental, is one of the main research lines within TONA. Another research line is the modeling of (nano)photonic structures containing novel metamaterials (materials with unprecedented optical properties, such as left-handed materials, materials with negative permittivity and/or permeability, materials with engineered dispersion, etc.).

The department wishes to strengthen the above research fields, or to broaden its expertise to the field of dynamics and complexity science in general, including stochastic effects. We are therefore looking for candidates with a very good research track record in the field of dynamical and complex systems in general and/or any of the above mentioned research themes. The precise topic can be determined in accordance with the candidate's profile. We offer a one year appointment to start with, renewable subject to funding availability. Starting date is October 2009 or later in fall 2009.

Salary:

1700 (PhD) and 2200 (postdoc) Euro/month, or more, depending on seniority.

Contact:

Prof. dr. Jan Danckaert

Contact details: see above.

The VUB wholeheartedly subscribes to the recommendations made by the European Commission concerning a European Charter for Researchers and a Code of Conduct for their Recruitment (see <http://ec.europa.eu/euraxess/>).

Pleinlaan 2 (Building F - 9th floor) • 1050 Brussel • BELGIUM

Tel.: +32 2/629.36.59 • Secr. : +32 2/629 3453 • Fax : +32 2/629.34.50

Jan.danckaert@vub.ac.be

<http://tona.vub.ac.be>