



Research assistant, 3-years Postdoctoral Position In Photonics, Besançon, France

Within the framework of a research project of the European INTERREG IVA Programme and the COST Action 299, the Department of Optics of the FEMTO-ST institute invites application for a 3-years post-doctorate fellowship in photonics. This project aims at investigating the remarkable properties of Brillouin scattering in photonic crystal fibers in view of application for efficient distributed sensing. The successful applicant will have the opportunity to collaborate with the Swiss Federal Institute of Technology (EPFL) Group for Fibre Optics and together with three companies in photonics and fiber technologies.

The candidate should already have strong research experience in the field of photonics, preferably in the area of nonlinear fiber optics and should have a PhD degree or its equivalent. Each application should consist of the curriculum vitae including a list of publications and names and addresses of referees.

The conditions are the following:

- A 3-year period as post-doc researcher starting from now or later.
- Net Salary: 2200€/month
- This position is not permanent and is on a year-to-year basis.

Please submit as soon as possible your CV from now on and no later than March 2009.

Informal enquiries should be directed to **Hervé Maillotte** at hervé.maillotte@univ-fcomte.fr and **Thibaut Sylvestre** at thibaut.sylvestre@univ-fcomte.fr

Further information on the Department of Optics at University of Franche-Comté can be found on the Web at <http://www.femto-st.fr>

References :

- J-C Beugnot, T. Sylvestre, H. Maillotte, G. Mélin, and V. Laude, "Guided acoustic wave Brillouin scattering in photonic crystal fibers," *Optics Letters*, Vol. 31, N° 25, 17-19 (January 2007).
- J. C. Beugnot, T. Sylvestre, D. Alasia, H. Maillotte, V. Laude, A. Monteville, L. Provino, N. Traynor, S. F. Mafang, and L. Thévenaz, "Complete experimental characterization of stimulated Brillouin scattering in photonic crystal fiber," *Opt. Express* **15**, 15517-15522 (November 2007).