

Indo-French Postdoctoral Research Position

A post-doctoral position is opened in the field of microfluidics and microfabrication in the group of microsystems and electronics of FEMTO-ST, Besancon, France. FEMTO-ST is a lab associated with CNRS (UMR CNRS 6174) with a staff of approximately 350 with large activity in the field of microsystems, micro- and nano-science and technology.

The research project entitled '**Microfluidic Systems based on New Smart Polymers**' deals with the exploitation and integration of functional polymer-based nanocomposite materials for microsystems, in particular based on magnetic nanoparticles for microfluidic applications.

Qualifications of the candidate

Ph.D. in Physics/Electronics/Instrumentation Science with experience in microfabrication and microfluidic/MEMS.

The applicant must be able to work autonomously, which includes surveying the state of the art, devising a research work program within the framework of the project and establishing relevant contacts for characterization experiments. He or she is expected to propose original solutions for the design of micro-devices as well as conduct research work in microsystem himself/herself, in particular using clean room microtechnologies. It is mandatory that the candidate possesses good communication skills and scientific reporting skills. He or she also needs to be able to work in a multidisciplinary international team composed of physicists, technologists and chemists.

Fellowship and application

The postdoctoral position is open within the framework of a collaborative project between FEMTO-ST, France and University of Pune, India and funded by the Indo-French Centre for the Promotion of Advanced Research (IFCPAR). The fellowship is 1850 Euros per month and runs until 31 March 2009. **The candidate is expected to join FEMTO-ST, Besancon in France by October 2007. The Candidate must be an Indian citizen** and will report to Dr C. Khan Malek, FEMTO-ST. Interested candidates should send their CV, motivation letter, and 3 recommendation letters (all in English) jointly to **Dr Mrs S. K. Kulkarni**, India (skk@physics.unipune.ernet.in) and **Dr C. Khan Malek**, France (chantal.khan-malek@femto-st.fr) on or before **31 July 2007**.