

Postdoctoral Fellowship in neural engineering at CEA Grenoble, France.

Applicants are invited for a postdoctoral position in the field of neural engineering with the focus on Brain Computer Interface (BCI).

The successful applicant will perform research in the fields of signal processing, adaptive modeling, machine learning and fast calculations for real time applications in the frame of project ICOBI (Brain-Computer Interface. Self-learning adaptive embedded solution) of Foundation "Nanoscience at the limits of Nanoelectronics". The particular goal of the project is the development of self paced ECoG based BCI with multiple degrees of freedom. The postdoctoral scientist will contribute to study of movement related brain dynamics. He/she will collaborate within an interdisciplinary team of researchers whose expertise spans mathematics, computer science, microelectronics, nanoscience and neuroscience with the goal of performing functional BCI system.

The ideal candidate will have a doctoral degree, or equivalent, in a relevant discipline (Computer Science, Mathematics, Physics) with an emphasis on computational approaches to the neuronal systems analyses. Programming in Matlab and C/C++ will be part of the project.

Candidates with the experience in EEG/ECoG based BCI or in EEG/ECoG data analysis will be preferred.

The work will be performed at the Centre of Atomic Energy (CEA, Grenoble, France) at the Research Group of Microelectronics for Health, LETI-Minatec in frame of project Clinatec. For more information look at

<http://www-leti.cea.fr/scripts/home/publigen/content/templates/show.asp?P=256&L=EN>

The position is open for one or two years. Salary is commensurate with experience and the position carries a full social security and health coverage.

Review of applications will begin immediately and continue until the position is filled.

Applications including a CV, a motivation letter and the names of two references must be sent electronically to Tetiana Aksenova (tetiana.aksenova@cea.fr), Corinne Mestais (corinne.mestais@cea.fr). Selected candidates will be interviewed in Grenoble.

For more information please e-mail Tetiana Aksenova (tetiana.aksenova@cea.fr).

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