

## Post-Doc job position at Harvard CNS (05/19/2021)

Contact Name (administrative use only): Dr. Jiangdong Deng (jdeng@cns.fas.harvard.edu)

Job Category (administrative use only): Research Fellows Job Title: Post-doctoral Fellow

Location: 11 Oxford St., Cambridge, MA 02138

### Responsibilities:

We are seeking a full-time postdoctoral research fellow to work on the development of novel micro-TMS coils for biomedical applications. This 2-year long appointment will be made at the rank of postdoctoral fellow at Center for Nanoscale Systems at Harvard University.

### Requirements:

A candidate must be highly motivated, with a demonstrated excellent research track record in the fields of MEMS device design, nano-/micro- fabrication, and characterization. Independent process skills in nano-fabrication, including E-beam lithography, Photolithography, RIE, film deposition and electron microscopy (EM), as well as experimental and numerical characterizations of material, electrical, and thermal properties, are required. Experience in high currents amplifiers, and non-invasive human experiments is desired but not required. A PhD (or equivalent) in physics, applied physics, electrical engineering, chemical/biomedical engineering, material sciences or a related field is required. The successful postdoc candidate is expected to have a strong publication record and good communication skills.

To apply: Please send a full CV and a cover letter to Dr. Jiangdong (JD) Deng at jdeng@cns.fas.harvard.edu. Reference letters are not required for initial inquiry but could be helpful for full consideration if arranged to be sent directly to Dr. Deng via email.

### Additional Qualifications:

The candidate should be self-motivated with a strong desire to acquire on-the-job training, to succeed, and to develop intellectual, and practical professional skills. Demonstrated ability to work well in teams is essential.

Physical Requirements: Must be able to work in cleanroom, chemical, and measurement laboratory environments. Will work around compressed gases, acids, solvents, and other chemicals.

### Additional Information

Additional information regarding the Center for Nanoscale Systems (CNS) can be found at: [www.cns.fas.harvard.edu](http://www.cns.fas.harvard.edu). CNS is a part of the Faculty of Arts and Sciences (FAS) at Harvard University, and is a node in the National Science Foundation's National Nanotechnology Coordinated Infrastructure (NNCI). CNS provides centralized user facilities for imaging, material synthesis, and nanofabrication research support.