MR Engineer (Research Scientist)

Description of Position:
The Maryland Neuroimaging Center at the University of Maryland College Park is seeking a non-tenured MR Engineer for a Research Scientist track position with the level to be commensurate with experience and qualifications. The engineer will specialize in functional magnetic resonance imaging to conduct and develop research programs using the 3T Siemens research MRI system in the center. The applicant is expected to play a role in training users and technologists, to assist on projects to improve image quality, and to add new capability to the brain-imaging center on campus. The applicant must possess a Ph.D. in physics or engineering and should have experience in a research setting in developing novel research programs in MRI, particularly in fMRI, and preferably in other areas of imaging, including diffusion tensor MRI and fiber tracking, perfusion imaging, etc. The applicant should also have experience with MR peripheral systems such as MR BIOPAC, response devices, eye-tracker, etc. The applicant should be able to show evidence of independent writing of grant proposals (as well as collaboration with campus PIs for grants), scientific conference abstracts and journal papers. Individuals with additional qualifications in image processing and analyses and with programming experience are especially welcome.

The primary focus of the position is on supporting research in cognitive neuroscience across multiple departments at the University of Maryland's flagship campus. In addition to its strengths in neuroscience and cognitive science, the University of Maryland has outstanding programs in physics, engineering, and computer science. Salary and benefits are competitive. Start date is negotiable, but the candidate should be available by August 7, 2017. Best consideration date is June 30, 2017

Required Qualifications:
Ph.D. and demonstrated experience with 3T Siemens functional MRI in a research setting

Desirable skills include:
- ability to work effectively with a diverse user base with varying experience levels
- validation and refinement of existing imaging protocols
- development and implementation of pulse sequences (EPI, perfusion imaging, DTI, ASL, etc.)
- user training, and evaluation of project feasibility
- image processing and analyses (e.g., SPM applied to fMRI)
- programming experience (e.g., MatLab, C++)
- familiar with computerized operations on different platforms, including UNIX

Position will remain open until filled.