TENURE-TRACK POSITION IN IMAGING/MEDICAL/INDUSTRIAL PHYSICS

As part of a commitment to expand the scope of imaging/medical/industrial physics at CWRU, the Case Western Reserve University Department of Physics seeks candidates for an Assistant-Professor tenure-track position in the area of imaging physics, with an emphasis on medical and industrial applications.

The search in imaging physics builds on a long and rich history of international collaborations with the medical device industry, the interdisciplinary academic bioscience and bioengineering departments, and the hospital clinical world. Major collaborations include work in MRI, medical physics, and magnetic particle research. We encourage applications from candidates working in any of a broad variety of topics in imaging/medical/industrial physics, including signal processing, magnetic systems modeling and optimization, and industrial and medical sensor innovating. The successful candidate will take advantage of the numerous local opportunities available in the neighboring biomedical research environment (the Case Western Reserve University School of Medicine, the Cleveland Clinic, University Hospitals and a variety of industrial partners and startups). Candidates with experience in imaging modalities other than MRI, such as CT, ultrasound, PET, and optical systems may also be considered. Therapeutic as well as diagnostic medical physics is relevant to this position in view of the growing industry of hybrid systems, such as image-guided radiotherapy, and of possible teaching contributions to new medical physics degree programs.

The successful candidates will conduct vigorous programs of innovative and funded research, supervising graduate students and providing research opportunities for undergraduates. The average teaching load is one course per semester. Candidates must demonstrate the skills and interest to be an effective teacher. Qualifications for the position include a Ph.D. or equivalent in physics or a closely related discipline, as well as a record of outstanding scholarly research that may include patent applications. Information about the department, and all current faculty searches, can be found at http://www.phys.case.edu.

Review of applications will begin on December 1, 2017 and will continue until the position is filled. Applicants should submit a letter of application, CV, and statements of research plans and teaching as a single pdf file to medphys2017@phys.case.edu, and arrange for three letters of recommendation to be sent, respectively, to those addresses. Please include the candidate’s last name in all attachments. If electronic submission is not possible, paper applications may be submitted to “MEDPHYS Search,” Department of Physics, Case Western Reserve University, Cleveland, Ohio 44106-7079 USA. Questions about the search may be directed to Prof. Michael Martens at Michael.martens@case.edu or Prof. Robert Brown at robert.brown@case.edu.

In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity. Women, veterans, members of underrepresented minority groups, and individuals with disabilities are encouraged to apply. Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants requiring a reasonable accommodation for any part of the application and hiring process should contact the Office of Inclusion, Diversity and Equal Opportunity at 216-368-8877 to request a reasonable accommodation. Determinations as to granting reasonable accommodations for any applicant will be made on a case-by-case basis.