Postdoctoral Research Position: Theoretical Condensed Matter Physics

Applications are invited for a postdoctoral research position in the group of Prof. Vito Scarola in the Virginia Tech Department of Physics, scarola.phys.vt.edu. The position involves modeling of quantum many-body states of matter in the overlapping areas of condensed matter and atomic, molecular and optical (AMO) physics. Example topics of interest include quantum magnetism, quantum information processing with novel states of matter, quantum effects in the presence of disorder, exotic superfluids, and topological states. Modeling will apply to a variety of systems, but an emphasis on AMO systems is expected. Close collaboration with experimental groups will be encouraged. Candidates should be familiar with methods in quantum many-body and/or AMO theory. Additional expertise in computational methods is highly desirable, but not a prerequisite. Evaluation of applications will begin immediately and continue until the position is filled. The start date is flexible. The position is for one year, renewable up to three years subject to satisfactory performance. Salary and benefits are competitive and will be commensurate with qualifications and experience. More details can be found by contacting Prof. Vito Scarola, scarola@vt.edu. Applicants should apply online at:

http://listings.jobs.vt.edu/postings/90048

and include (i) a brief letter (max 2 pages) describing the candidate's academic background and interests (ii) CV with a list of publications, and (iii) contact information of three references.

Virginia Tech is an EO/EA/AA employer. Departmental information can be found at www.phys.vt.edu. Applicants must hold a Ph.D. or equivalent degree in physics or a related field and have graduate level research experience in theoretical condensed matter, computational physics, quantum information, or AMO physics.