Tenure Track position for women in the field of strongly-correlated quantum many body systems

Faculty of Technical Mathematics and Technical Physics
Graz University of Technology, Austria

A Tenure Track University assistant position is available at the Institute of Theoretical and Computational Physics at TU Graz in the field of strongly correlated quantum many body systems.

The full-time position, available as of October 2012, is initially limited to 6 years with the possibility of a "qualification agreement". After a successful evaluation the promotion to a permanent associate professorship is possible.

The TU Graz is committed to increase the proportion of female scientific staff (professors). For this reason the position is reserved for women.

Candidates must have a Doctoral degree in the field of Theoretical Physics.

Expected qualifications: The applicant should have an internationally recognized experience in the research field "Physics of strongly correlated quantum many-body systems". In particular, she should have extended knowledge in some of the related methods and materials: Dynamical Mean-Field Theory, Quantum Monte Carlo, Exact Diagonalisation, Variational Cluster Approach, Bosonisation, Non-Fermi Liquid Physics, Ultracold Atoms, Renormalisation Group, Transport in Strongly Correlated Systems, and High-Temperature/Pnictide Superconductors. In addition, she is expected to have experience in carrying out and supervise research projects in this field, a good record of scientific publications, teaching experience, as well as team- and communication skills.

The many-body group at ITPCP consists of 5 permanent faculty members, several PhD students and postdocs. Research is focused on magnetic materials, high-temperature superconductivity, charge transport in solids, interacting boson systems, coupled-cavity systems and polaritons, nonequilibrium and time-dependent phenomena.

More information on the institute under http://itp.tugraz.at/

Applications including a Curriculum Vitae and further documents should include the Reference Number 5150/11/020 and be addressed to the Dean of the Faculty of Technical Mathematics and Technical Physics O. Univ.-Prof. Dr. Wolfgang ERNST preferably per e-mail at the address position@itp.tugraz.at Or, alternatively, per surface mail: Petersgasse 16, A-8010, Graz, Austria.

Application deadline: April 3. 2012. No applications will be accepted after this date.

The official announcement (in german) can be consulted under http://www.mibla.tugraz.at/11_12/Stk_8/8.html#68