A Ph.D. position in the field of quantum coherence in superconducting circuits in the Quantum Engineering / Nanophysics group of the Department of Physics and NanoScience Centre, University of Jyvaskyla, Finland.

A Ph.D. position in the field of quantum coherence in superconducting circuits is available starting 2006 in the Quantum Engineering / Nanophysics group of the Department of Physics and NanoScience Centre, University of Jyvaskyla, Finland. Our research currently focuses on the physics of various Josephson junction devices and their use as superconducting quantum bits.

The research is experimental, but involvement in more theoretical problems is also possible. The successful candidate will learn a broad range of nanofabrication techniques and low-temperature measurement methods, and is expected to develop her/his skills in these directions while contributing significantly to the research done in the group.

Applications are invited immediately. The position will be filled as soon as a suitable candidate is identified. To apply, please send the following materials by e-mail to Dr. S. Paraoanu, paraoanu@phys.jyu.fi: CV, copies of official transcripts, statement of purpose, and the names and contact information of (at least) two persons who can provide letters of recommendation. Applicants must have a M.Sc. degree in physics. Results from standardized tests (TOEFL, GRE) are not requested but can be mentioned if they were taken. M.Sc. thesis could be also submitted.