



Low Temperature Laboratory  
Department of Applied Physics



Aalto-Yliopiston Perustieteiden Korkeakoulu  
Aalto-Universitetet Högskolan för Teknivetenskaper  
Aalto-University School of Science

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## Postdoctoral position in superconducting quantum circuits

A postdoctoral position in the field of superconducting quantum circuits is available in the KVANTTI group, Department of Applied Physics, Aalto University (Finland), starting January 2016. Our group is doing research on quantum-level effects in superconducting devices, focusing on the transmon and circuit QED architectures, and it is part of the Centre of Excellence in Low Temperature Quantum Phenomena and Devices of the Academy of Finland.

### REQUIREMENTS AND DETAILS

We are looking for a highly qualified and motivated person, with a Ph.D. either in this field or in areas of mesoscopic physics where similar experimental techniques (nanofabrication, cryogenics, microwave measurements) are used. Theorists with strong interest in getting closely involved with experiments are also welcome to apply. We will also consider doctoral candidates, provided that they have a demonstrable strong background in this field acquired during their M.Sc. studies.

### HOW TO APPLY

Please send your application as a single PDF file at earliest convenience by 30.11.2015 through the recruitment system. We urge you to apply as soon as possible, since the position will be filled when the suitable candidate is found.

Apply through the link: <http://www.aalto.fi/en/about/careers/jobs/view/601/>

Application material should include (all documents in English):

- Letter of motivation (max. one page)
- CV
- Transcript of university studies and or diploma certificate
- Two letters of recommendation or contact details of possible referees

Espoo, 15.09.2015

Sincerely yours,

Sorin Paraoanu, Ph.D.  
Group Leader/Senior University Lecturer  
Low Temperature Laboratory, Department of Applied Physics  
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