

PhD positions in theoretical quantum physics

Aalto University is a new multidisciplinary university in the fields of technology, business, and art and design. It opens up new possibilities for strong multidisciplinary education and research. Aalto University has 20 000 students and a staff of 5 000 including 370 professors.

Aalto University, School of Science, Department of Applied Physics invites applications for

PhD positions in theoretical quantum physics

The newly started research group of Assistant Professor Christian Flindt at Aalto University, School of Science, Department of Applied Physics, is seeking to fill positions at the PhD level. The research group focuses on theoretical problems in quantum transport and related areas. Central research topics include dynamic single-electron sources, noise and fluctuations in electronic conductors, single-electron tunneling and interactions, and electronic transport in hybrid quantum architectures. The group is also interested in quantum correlations and entanglement in many-body systems as well as phase transitions. Collaborations with in-house experimentalists working in the field of quantum engineering are anticipated.

Applicants must fulfill the admission requirements to the Aalto Doctoral Programme of Science and if chosen for position, the applicant has to apply for and get the right to pursue doctoral studies at Aalto. More information on the general requirements and the application process for post-graduate studies: <https://into.aalto.fi/display/endoctoralsci/Applying+for+doctoral+studies>

The employment will be two years full-time for the first contract, which can be extended to cover the rest of the doctoral study. The maximum funding period is 4 years in total.

The positions should ideally start in the fall of 2015.

Salary: Salary is determined according to the salary system of Aalto University and the contract includes occupational health and social security benefits.

Applying: Candidates should send their application, CV (incl. possible list of publications), highest degree certificate, study records, and contact information of possible reference persons to Assistant Professor Christian Flindt (see the contact information below).

Aalto University reserves the right for justified reasons to leave the position open, to extend the application period, reopen the application process, and to consider candidates who have not submitted applications during the application period.

Additional information:

Assistant Professor Christian Flindt, christian.flindt@aalto.fi