

Aalto University is a new university with over a century of experience. Created from a high-profile merger between three leading universities in Finland – Helsinki University of Technology, the Helsinki School of Economics, and the University of Art and Design Helsinki – Aalto University opens up new possibilities for strong multidisciplinary education and research. The university has 20 000 students and a staff of 5 000 including 350 professors.

**Aalto University School of Science invites applications for:**

## **TENURE TRACK POSITION IN EXPERIMENTAL CONDENSED MATTER PHYSICS,**

to be filled primarily at Assistant Professor level. Other levels may also be considered for candidates with exceptional qualifications.

### **Job description**

The position will be located at the Department of Applied Physics (<http://physics.aalto.fi>), which is one of the largest departments at the Aalto University School of Science. The Department pursues vigorous research activities in the field of physical sciences with important industrial applications and technological potential. It was appraised as the highest-ranking unit in the Research Assessment Exercise of 2009 covering all the 46 academic units of Aalto University [http://www.aalto.fi/en/research/strengths/aalto\\_rae\\_2009\\_panel\\_reports.pdf](http://www.aalto.fi/en/research/strengths/aalto_rae_2009_panel_reports.pdf). Much of the research at the Department is focused on condensed-matter and materials physics, on quantum physics and nano-optics, and on advanced energy sciences. The Department also hosts the Nanomicroscopy Centre with its state-of-the-art equipment, and carries out research utilizing also other cutting-edge research infrastructures and facilities located at the Otaniemi Campus, including those in Micronova for micro and nanotechnology and in Cryohall in the O.V. Lounasmaa Laboratory.

### **Requirements**

Throughout their career, those in the academic tenure track system are expected to exercise and guide scientific research, to provide related higher academic education, to follow the advances of their field, to participate in service to the Aalto University community, and to take part in societal interaction and international collaboration in their field.

We invite applications for a Tenure Track position in experimental condensed matter physics. We seek for an individual with demonstrated research excellence in the broad areas of soft condensed matter physics, biomimetic materials, photonic or plasmonic materials, or complex materials. The successful candidate is expected to conduct an outstanding independent experimental research program that complements the existing research efforts at the Department of Applied Physics in these fields.

The appointment is expected to be at the Assistant Professor level, although more senior appointments (with or without tenure) will be considered for candidates with exceptional qualifications. A more detailed description of the Tenure Track system at Aalto University is available at ([http://www.aalto.fi/en/about/careers/tenure\\_track/](http://www.aalto.fi/en/about/careers/tenure_track/)). The position is open for talented individuals who

- Hold a doctorate in physics or related fields;
- Have potential to carry out research and attract research funding at the highest level;
- Are willing to be effective teachers in the undergraduate and graduate degree programs of the School of Science and the Department of Applied Physics.

The applicants will be reviewed on the basis of their research, teaching and academic leadership and activity in scientific community. When recruiting for Assistant Professor level, evaluation is based mainly on scientific merits but also on the applicant's potential. Therefore, we encourage especially young and promising candidates to apply. However, other Tenure Track levels can be considered for candidates with exceptional qualifications.

### Salary

Aalto University follows the salary system of the Finnish universities, but applicants can also provide their own requests. The annual total workload of research and teaching staff at Aalto University is 1600 hours. The position will be located at the Aalto University Otaniemi Campus.

### For more Information

For additional information, please contact Chair of the Tenure Track Board, Professor Jukka Pekola, tel. +358 50 344 2697, or in recruitment process related questions HR-coordinator Mikael Henny, tel. +358 (0)50 344 2915. E-mails: [firstname.lastname@aalto.fi](mailto:firstname.lastname@aalto.fi).

### How to apply

The application material for the tenure track position includes

- Cover Letter
- Curriculum Vitae (with contact information, max 2 pages)
- Summary of merits and highest achievements in research (max 2 pages)
- List of publications in which the 5 most significant publications highlighted (1...5)
- A research statement describing past research and plans for future research (max 5 pages)
- A teaching statement describing teaching experience and plans for teaching (max 2 pages)
- Reference letters (max 3 letters).

All material should be submitted in English and must be in standard pdf format, with a minimum of 11 pt font size. The application material will not be returned. We encourage applicants to provide their ResearcherID in the application.

The applications for the tenure track positions are to be addressed to the Dean of Aalto University School of Science and submitted to the Registry of Aalto University no later than **the 15<sup>th</sup> of February 2013** (before midnight Finnish time). Please refer to the name of the position concerned in your application.

You may submit the application by e-mail (in pdf format) to [kirjaamo@aalto.fi](mailto:kirjaamo@aalto.fi).

Applications shall consist of one single pdf file with file name "lastname\_firstname\_application.pdf". The first document of the pdf file is the cover letter, followed by the appendices in the order given in the list above.

General instructions for applicants including language requirements and guidelines for compiling a teaching portfolio and CV are given at [www.aalto.fi/en/tenure\\_track/for\\_applicant](http://www.aalto.fi/en/tenure_track/for_applicant).

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

In Espoo, the 9<sup>th</sup> of January 2013

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### Tenure track in Aalto University

The tenure track is open to talented individuals who have excellent potential for a scientific career. Individuals placed on the Aalto University professorial tenure track have the possibility to advance in their career through regular performance assessments, which take into account their merits in all areas of their scope of duty. Launched only in 2010, the tenure track has attracted a wide range of international applicants, giving Aalto University the possibility of recruiting top experts and young research talent to join the Aalto University community. Read more about the Aalto University tenure track system at [www.aalto.fi/en/tenuretrack](http://www.aalto.fi/en/tenuretrack).

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