



Tampere University of Technology (TUT) is an active scientific community of 2,000 employees and more than 10,000 students. The University operates in the form of a foundation and has a long-standing tradition of collaboration with other research institutions and business life. Many of the fields of research and study represented at the University play a key role in addressing global challenges. Internationality is an inherent part of all the University's activities. Welcome to join us at TUT!

## Tenure track in Applied Optics

The position is available in the Department of Physics, which is one of the leading departments at Tampere University of Technology (TUT) with about 140 people employed on research, teaching, and administrative duties. The Department has a strong international focus: about 30 % of our research staff comes from abroad. Research activities are conducted by three laboratories: Aerosol Physics, Optics, and Computational Physics.

More specifically, the position is located in the Optics Laboratory. The Laboratory has three interrelated priority areas with shared laboratory space and equipment: Applied Optics, Nonlinear Optics and Ultrafast Nonlinear/Fiber Optics. Our research interests range from fundamental studies of the nonlinear response of nanostructured materials and ultrafast pulse propagation to industrial applications of optical spectroscopy. Optics and Photonics have been identified as leading-edge research areas of TUT, and activities in these fields have earned high rankings in recent research assessments. The Optics Laboratory enjoys an international reputation and a key position within the optics community in Finland. We maintain close ties with research groups around the world.

For more information on the Department and our research activities, please refer to:  
<http://www.tut.fi/phys>

### **Job description:**

The Department of Physics at Tampere University of Technology is inviting applications for a tenure track position in Applied Optics.

The position will be filled at the level of Associate Professor or tenured Professor, based on the experience and competence of the successful candidate.

For more information on TUT's tenure track career system, please refer to [www.tut.fi/openpositions](http://www.tut.fi/openpositions) – Tenure track.

The successful candidate is expected to:

- pursue and supervise scientific research in the field
- lead, conduct and develop education in the field (positions at the level of Associate Professor and tenured Professor)
- acquire external funding
- participate in the activities of the national and international scientific community
- interact with society
- commit to the strategy of the Department and TUT

We are looking for candidates who have excellent future potential at their respective career stage and who can establish independent world-class research activities at TUT.

**Requirements:**

All candidates considered for a tenure track position are expected to:

- hold an applicable doctoral degree,
- demonstrate the capacity for independent scholarly activity,
- possess the teaching skills required for the successful performance of their duties; and
- have the ability to collaborate in a multidisciplinary university environment and with industry.

The successful candidate is expected to have a demonstrated record of securing external research funding and possess excellent academic credentials. We also expect the candidate to have the competence to develop, lead and maintain a high quality research programme leading to national and international recognition.

The successful candidate is expected to have a demonstrated record of achievements in research that is both scientifically significant and has potential for real-life industrial applications and commercialization. Ideally, the successful candidate's research has the potential to cut across other fields of research at TUT, but this is not a prerequisite. We also expect the candidate to possess the competence to respond to future research and educational needs and thereby complement and strengthen the current priority areas of the Department.

For more information on the criteria for tenure track appointments at different levels, please refer to [www.tut.fi/openpositions](http://www.tut.fi/openpositions) – Tenure track.

**We offer:**

We offer the successful candidate the opportunity to join a world-class research environment in a growing international community at the Department Physics, one of TUT's most productive departments.

For candidates from outside of TUT, we are also offering financial assistance for setting up a research group. The extent and conditions of the funding will be discussed with the candidates during the recruitment process.

TUT offers a wide range of staff benefits, such as occupational health care, flexible working hours, excellent sports facilities on campus and several restaurants and cafés on campus with staff discounts.

For more information, please visit [www.tut.fi/en](http://www.tut.fi/en) – About TUT – Careers at TUT  
<http://www.tut.fi/en/about-tut/careers-at-tut/index.htm>

**Salary:**

The salary will be based on both the job demands and the employee's personal performance in accordance with the Finnish University Salary System. In addition, TUT has implemented bonus systems.

**Other:**

The expected start date is 1 March 2015 or as mutually agreed upon by both parties.

The positions of Assistant Professor and Associate Professor will be filled for a fixed-term period. The length of the fixed-term period will be based on the University's tenure track system. If the candidate is appointed to the position of Professor, the appointment will be made on a permanent basis.

The appointment is subject to the satisfactory completion of a trial period of four months.

Candidates may be invited for a video interview during the first stage of the recruitment process. The most qualified candidates will be invited to take part in an external review, a personal interview by the Tenure Track Working Group and an aptitude assessment and give a trial lecture.



**For more information, please contact:**

Professor Jyrki Mäkelä by phone +358 40 198 1018 on:

- 30 October at 10.00-12.00 (EET) or

- 3 November at 14.00-16.00 (EET)

or by email [jyrki.makela@tut.fi](mailto:jyrki.makela@tut.fi).

If you have questions about the recruitment process, please contact HR Coordinator Riikka Hyöriinen, tel. +35840 849 0664, email [riikka.hyorinen@tut.fi](mailto:riikka.hyorinen@tut.fi)

**How to apply:**

Applications must be submitted through the University's online employment system. The closing date for applications is 10 November 2014 (at 24.00 EET / 10.00 pm. UTC). Applications and all accompanying documents should be written in English.

Applications should include the following documents:

1. Resume and/or Curriculum Vitae
2. Research portfolio (assembled according to TUT's instructions) including;
  - a. Research plan, max. 5 pages (the research plan must specify the candidate's vision for the future direction of his/her research field)
  - b. List of publications (international peer-reviewed publications, other publications, citations – please highlight the 10 most significant publications relevant to the position)
3. Teaching portfolio (assembled according to TUT's instructions)
4. Academic Leadership and Activity in Scientific Community portfolio (assembled according to TUT's instructions)
5. Significant publications and other works relevant to the position (max. 10 publications.)

Additional information on [TUT's tenure track system](#) and [attachments to applications](#).

[Online application form](#)