

# Research Vacancy details

Job at Tallinn University of Technology (15/01/2010 08:12)

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## Job Description

### Job

Professor in Mechano-System Components

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### Main Research Field

Engineering

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### Sub Research Field

Mechatronics and Robotics

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### Job Summary

Department of Mechatronics

Field: Teaching, research and development work in the field of ongoing research projects at the Department

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### Job Description

Coordinating and teaching subjects in the field of machine elements, fine mechanics, mechatronics components for students in curricula MAHB, MAHM, MATB, MTAM, MAPD. Active participation in department research projects in the field on mechtaronics, initiating of new projects and supervising of doctoral students in the field of mechatronics. A professor is a leading teaching staff member in the respective area and an internationally recognized scientist whose principal task shall be organizing the teaching of their subjects, directing research and development activities as well as ensuring academic staff renewal. In principle, a professor's teaching and organizational performance shall be evaluated through the results obtained in doctoral (PhD) and master's studies, that also being an essential component providing evidence of scientific competence.

Requirements to the candidate

- doctoral degree (PhD) or an equivalent qualification;
- teaching experience in a higher educational establishment;
- good supervisor's competence: 2nd and 3rd degree higher education students, incl. at least one doctoral (PhD) thesis defended under the candidate's supervision during the last 5 years (excl. applicants for the first time);
- international level research experience;
- experience of successful research and development project leader;
- successful performance shown in seeking research and R&D work funding;
- research organization and/or administrative work experience;
- at least 5-year successful research work and R&D activities, incl. at least 10 scientific publications in international prereviewed publications (incl patents/patent applications and managing/participation in successful applied research projects). In case of social sciences and humanities, specificity of the area may be taken into account in performance evaluation.

A requirement set to the candidates applying to a TUT position for the first time, shall be to deliver a public lecture *venia legendi*.

The research that the candidate is planning to carry out during the stay at Tallinn University of Technology should have a positive impact to the ongoing research projects at the Department. Additionally, the applicant has to fulfill teaching duties in the amount of at least 64 academic hours of auditorial teaching per year.

The following documents are required:

application letter in the name of the Rector of the University;  
curriculum vitae together with the publications list (recommended ETIS form, if the applicant isn't user of ETIS, then send an e-mail to [etis@archimedes.ee](mailto:etis@archimedes.ee) with your name and date of birth and to the subject line creating user account for applying to TUT);  
copies of the documents proving the scientific degrees obtained;  
as well as other documents considered to be important by the applicant.

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## **Title**

Professor

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## **Type of Contract**

Temporary with option to apply for permanent post

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## **Status**

Full-time

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**Hours Per Week**

35

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**Country**

ESTONIA

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**City**

Tallinn

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**Company/Institute**

Tallinn University of Technology

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**Comment/web site for additional job details**

At a fixed date until 31.12.2013, option for ordinary work contract is possible after 2013.

Personnel Department

personal@ttu.ee

Tel. +372 620 2056

Ehitajate tee 5, Tallinn 19086, Estonia

<http://www.ttu.ee/?id=3899>

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**Organisation/Institute Contact Data****Organisation**

Tallinn University of Technology

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**Division/Faculty/Department**

Department of Mechatronics

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**Street**

Ehitajate tee 5

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**City**

Tallinn

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**Postal Code**

19086

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**Country**

ESTONIA

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**E-Mail**

[personal@ttu.ee](mailto:personal@ttu.ee)

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[mart@staff.ttu.ee](mailto:mart@staff.ttu.ee)

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**Website**

<http://www.ttu.ee>

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**Application Details****Job Starting Date**

01/06/2010

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## **Application Deadline**

31/03/2010

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## **How To Apply**

e-mail

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## **Personal Data treatment (according to local legislation)**

yes

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## **Required Education Level**

### **Degree**

doctoral degree (PhD) or an equivalent qualification

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### **Degree Field**

Engineering

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## **Required Languages**

### **Language**

ENGLISH

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### **Reading level**

Good

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### **Writing level**

Good

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### **Comprehension level**

Good

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### **Speaking level**

Good

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## **Required Certifications**

### **Certification Type**

Academic

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### **Certification**

doctoral degree (PhD) or an equivalent qualification

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## **Required Research Experiences**

### **Main Research Field**

Engineering

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### **Research Sub Field**

Mechatronics and Robotics

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### **Years of Research Experience**

3

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## **Comment**

Eligible are also PhD in Mechanical Engineering or IT or Electrical Engineering, required an experience in the field of mechatronics.

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## **Required Skills**

### **Skill**

High level expertise on the use of Engineering Design methods in mechatronics, practical and theoretical knowledge of mechatronics research methods, including respective modeling and simulation techniques, including CAE methods.