

**Director of the Institute for Nanomaterials, Advanced Technologies and Innovation
Technical University of Liberec
announces a tender for the position:**

SENIOR RESEARCHER AT THE DEPARTMENT OF MACHINERY CONSTRUCTION - 8430

Are you interested in developing your R&D activities within the framework of interesting international or national projects or within the framework of cooperation with important representatives of the application sphere? Fulfil your plans in the newly built building of the [Institute for Nanomaterials, Advanced Technologies and Innovations \(Cxl\)](#) with state-of-the-art equipment, a friendly environment, and a young team, in addition to the attractive environment of the Liberec Region. Get involved in research at Cxl. You will become part of the [Department of Machinery Construction](#).



Description:

- Research activities in the field of construction of machinery, equipment, and materials research. Preparation and implementation of projects and contract research in the field of construction of machinery and equipment, innovation and optimization of systems, materials research related to research and development of machinery and equipment.
- Research and publishing activities - publication of results in scientific journals with Impact Factor (ISI WOS or Scopus database), self-educational activities.

Required competence and expertise:

- Experience in the field of applied mechanics, machine design and innovation of structures, materials research
- Experience in CAD and CAE modeling, experimental measurements, prototyping
- Experience with modeling and design of new lightweight structures, composites or new systems
- Experience with presentations at conferences abroad
- Publication of results in scientific journals with Impact Factor (ISI WOS or Scopus database)
- Preparation, submission and implementation of R&D projects for basic and applied research
- In the last 5 years at least 10 publications, of which min. 2 in a magazine with IF with Q1
- Ability to analyze state of the art
- English language at a minimum level of B2
- Ability to share and spread know-how
- High level of creativity and invention in solving challenging technical projects
- Reliability in meeting deadlines
- Ability to work in a team, solve and submit projects
- Flexibility and responsibility
- Independence, communicativeness

Required education:

- completed university education - focusing on engineering, mechatronics, materials, technical sciences
- min. Ph.D. or its foreign counterpart

Employment relationship:

- 100% workload, or by agreement
- the employment contract will be concluded until 31.12.2022 or according to an agreement with the possibility of extension in connection with the implementation of projects and internal regulations of TUL

Date of commencement of employment:

- July 2021, or as agreed

Salary:

- wage rate C2 (R2) according to the Internal Wage Regulation
- minimum monthly tariff wage: CZK 35,000 in connection with professional practice with the possibility of rise by motivational components according to the evaluation of work performance (project, personal allowances or extraordinary remuneration)

Working conditions and wage classification are governed by the Rules of Procedure, the Internal Wage Regulations of the Technical University of Liberec, the Labor Code and the Rules of the Selection Procedures for filling the positions of academic staff and other employees of the Technical University of Liberec..

Our offer:

- interesting, diverse and responsible work
- 6 weeks holiday
- flexible working hours
- company restaurant
- university kindergarten
- children's corner for toddlers
- possibility of accommodation in the TUL facilities
- language courses at the Internal Language School and training
- free sports activities (e.g. tennis, sauna, gym) in the university buildings,
- free swimming in the Liberec pool
- preferential telephone tariffs

The following documents must be attached to the tender application

- a) Structured CV
- b) an overview of current professional activities
- c) documents on completed education or evidence of professional competence and membership in expert organizations

The application with the documents above mentioned is to be sent no later than *May 9, 2021* by an email or regular mail to the address:

**Technická univerzita v Liberci
Personální oddělení
Studentská 1402/2
461 17 Liberec 1**

Contact person : Ing. Alena Šírková, Personal department
e-mail: volnamista@tul.cz

The selection procedure will take place in the first round by assessing the delivered paper documents, in the case of the second round, by a personal interview with the selected candidates. All candidates will be informed of the result no later than 30 days after the end of the selection procedure.

It is possible to inquire about the specific result of the selection procedure concerning the given applicant via the e-mail hr.cxi@tul.cz, within 5 calendar days from the date of sending the information about the result to the given applicant.

Tender result can be found at the TUL website: <http://www.tul.cz/uredni-deska/uredni-deska-tul/vyberova-rizeni-volna-mista>.

The above mentioned position was announced on **April 7, 2021** on the official board of the Technical University of Liberec: <http://www.tul.cz/uredni-deska/uredni-deska-tul/vyberova-rizeni-volna-mista>, at the Ministry of Labor and Social Affairs website MPSV: <https://uradprace.cz/web/cz/volna-mista-v-cr>, at the Euraxess website: <http://www.euraxess.cz/> and at the Institute for nanomaterials, advanced technologies and innovation website: <http://cxi.tul.cz/o-nas/volna-pracovni-mista.html>



CxI is the holder of the HR AWARD¹, therefore it has its own OTM-R Policy², resp. Recruitment document based on the principles of openness, transparency and merit criteria, which guarantees applicants correct CxI procedures in selecting the most suitable candidate for the position. At the same time, the CxI respects the recognition of qualifications according to the legislation in the Czech Republic, resp. according to Act No. 18/2004 Coll., but also the recognition of informal qualifications.

¹ <https://cxi.tul.cz/o-nas/referat-pro-rozvoj-lidskych-zdroju/hr-excellence-in-research>

² OTM-R - z plného anglického názvu OPEN TRANSPARENT MERIT BASED RECRUITMENT.