

**Technical University of Liberec (Faculty of Mechanical Engineering)
announces the following selection procedure for the position:**

JUNIOR RESEARCHER (C2) OR SENIOR RESEARCHER (C3) AT THE DEPARTMENT OF APPLIED MECHANICS

**PROJECT OP VVV – HYBRID MATERIALS FOR HIERARCHICAL STRUCTURES
REG. NO. CZ.02.1.01/0.0/0.0/16_019/0000843**

Job description:

Research and publishing activities within the framework of the project "Composites with elastomeric matrix" focusing on:

- research and development of composite materials with specific mechanical, electrical, magnetic and other properties, so called smart materials
- experimental and numerical research of their thermomechanical properties and their reactions to mechanical and other loads
- development of suitable experimental methods enabling the determination of thermo-mechanical and magneto-mechanical properties,
- assembling of mathematical models representing the anisotropic, nonlinear and non-elastic behavior of smart composites in final strains with thermomechanical and magnetomechanical coupling.

Required qualifications:

- experience in the field of mechanics of composite materials,
- experience in experimental and laboratory measurement,
- numerical simulation experience (FEM).
- English expected

Required education and practice:

- University degree in the Master of Science or Master of Engineering and simultaneously in the doctoral study program (advantage) or Ph.D. (or equivalent)

Employment relationship:

- Part-time job (50%) or by agreement
- The contract will be concluded for a fixed term (1 year) with the possibility of extension in connection with the implementation of the project and internal regulations TUL, another extension of the employment contract is based on the agreement of the employee and the employer.

Date of commencement of employment:

- April 2018 or by agreement
-



Salary:

- Wage rate C2 or C3. Salary is dependent on applicant's CV and is based on collective agreement with the Technical University of Liberec

Working conditions and wage classification is governed by the Work rules, Inner wage regulation of the Technical University of Liberec, the Labour Code and the Regulations of selection process for filling vacancies of academic staff and other employees of the Technical University of Liberec.

We offer:

- Work in projects
- Pleasant working environment
- Interesting, varied and responsible work
- Flexible working time
- Child care, babysitting, kindergarten
- Language courses
- University canteen
- 5 weeks of holidays
- Possibility to be accommodated in a university dormitory

The application form must be accompanied with the following paper documents:

- a) Brief CV
- b) Brief description of previous professional, scientific and publication activities
- c) Evidence of completion of education, evidence of professional competence and membership in professional associations, references from previous work – please provide contacts to two persons

In the first round, the paper documents will be assessed, in the second round, selected candidates will be required to undergo personal interviews. All applicants will be informed about the result within 30 days from the end of the selection process.

Please, submit the application together with the above mentioned documents by email or mail no later than on 7th March 2018 to the following address:

**Technical University of Liberec
Personnel Department
Studentská 2
461 17 Liberec 1**

Contact person: Mgr. Jitka Havlíková, Personnel Department
e-mail: volnamista@tul.cz

The announcement of the above mentioned position is made public from 5th February 2018 on the official board of the Technical University of Liberec (<http://www.tul.cz/uredni-deska/uredni-deska-tul/vyberova-rizeni-volna-mista>), on the employment portal of the Ministry of Labour and Social Affairs (<http://portal.mpsv.cz>), and on the portal: (<http://www.euraxess.cz/>).

