

**The Director of the Institute for Nanomaterials, Advanced Technologies and Innovation, Technical University of Liberec announces the following selection procedure for the position:**

## **8210 - JUNIOR RESEARCHER AT THE DEPARTMENT OF PREPARATION AND ANALYSIS OF NANOSTRUCTURES**

### ***Job description:***

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- Junior researcher at the Department of the Preparation and Analysis of Nanostructures

### ***Required qualifications:***

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- Experience in computer programming (e.g. Matlab, Python, C++, Java)
- Experience in hardware logic design using Verilog language
- Experience in modelling software such as COMSOL Multiphysics
- Experience in the preparation and processing of polymeric solutions and nanofibers
- Experience in digital image processing with the ability to develop their own coding (e.g. Matlab,...etc)
- Ability to develop custom data analysis algorithms and software
- Record of publications, with contribution to - at least one – journal(s) with impact factor higher than 2
- Sense of responsibility and ability to work in team
- Communication skills (oral and written) with ability to present their scientific results

### ***Required education and practice:***

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- University degree (B.Sc. or higher) in Electrical, Materials, Mechanical Engineering, or equivalent
- Good knowledge of English language, both written and spoken
- Knowledge of other foreign languages is recommended

### ***Employment relationship:***

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- Minimum 40% of the work time, if required by agreement
- The employment contract will be concluded for a fixed period of 1 year with the possibility of extension in connection to the implementation of the project and internal TUL regulations

### ***Date of commencement of employment:***

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- February 2019 or by agreement

### ***Salary:***

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- Wage C1 ( R1 ) or C2 ( R2 ) according to the TUL internal wage regulation in relation to the position and professional practice
- The possibility of granting a personal bonus after a probationary period in connection with the performance evaluation

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:**

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- Interesting, diverse and responsible work
- 5.6 holiday weeks (28 days)
- Flexible working hours
- Canteen
- University kindergarten
- Children's corner for children of toddler age
- Possibility of accommodation in the university hostel
- Contribution to supplementary pension insurance or life insurance
- Language courses at the University Language School

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

- a) brief CV
- b) brief description of previous professional, scientific activities
- c) evidence of completion of education, evidence of professional competence and membership in professional associations

***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 13<sup>rd</sup> January 2019 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](mailto:volnamista@tul.cz)

***The announcement of the above mentioned position is made public from 13<sup>rd</sup> December 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 web page of the Institute for Nanomaterials, Advanced Technologies and Innovation <http://cxi.tul.cz/o-nas/volna-pracovni-mista.html> and on the portal: (<http://www.euraxess.cz/>),***

