**SELECTION PROCEDURE**

**EXLIZ - FAV - 3**

Dean of the Faculty of Applied Sciences, University of West Bohemia in Pilsen (the „Announcer“) announces selection procure to fill the vacancies of **academicians** for the work position:

**Academician – research assistant (postdoc)**

**Research specialization of the specialist team:**

The general research topics in the research group are: triangulated models and their processing, changes and optimization, hierarchical models of large data, modelling of kinetic data (kinetic triangulations), effective space subdivision.

The models, developed in the research group, are also used in various applications in cooperation with experts from other areas:

* Geodesy and cartography (terrain models, a terrain editing, a user editing of sandy terrain models, a computation of contour lines on various types of triangulations, a generalization of huge point data sets, a generalization of vector data, etc.)
* Protein engineering (geometric models for protein representation, such as models of channels in proteins)
* Crowd simulation in urban models (a hierarchical representation for modelling and control of individuals in the town, enabling to prevent collisions, to plan path and to include various strategies of behaviour)
* 3D identikits and caricatures (a creation of surface models representing heads and enabling their modification)

The particular research topic can be aimed either more into computer science or into mathematics, according to the mutual agreement.

**Description of work position:**

Selected candidates will reinforce the existing top quality research team of the University of West Bohemia in Pilsen. His/her main task will be to get involved in the activities of the specialist team under the leadership of the mentor, to follow the determined schedule of research and scientific activities and to get involved into educational activities (3-5 hours per calendar week in average for postdoc full-time position). Performance of the candidate’s own scientific and research work includes publication of scientific and research results in prestigious foreign impacted magazines and in significant conferences, applied results, involvement in national and international research projects and organization of specialist/scientific events at the workplace (seminars, conferences). The postdoc job description includes participation in research fellowship programme for 3-6 months, participation in foreign and domestic conferences and transfer of acquired knowledge through workshops to other academicians and students (especially in master and doctoral study programmes).

**Mentor of this position is** Prof., Dr., Ing. Ivana Kolingerova, e-mail [kolinger@kiv.zcu.cz](mailto:kolinger@kiv.zcu.cz).

**Qualification requirements:**

* Properly completed doctoral study programme at the Czech university or college including WBU or properly completed similar study programme in abroad, recognized pursuant to Act No. 111/1998 Coll. on universities and on amendment of some other statues (the “Education Act”), as amended, with the date of graduation after 28 March 2008,
* Good knowledge of the Czech or English language (min. CAE or equivalent),
* Experience in research in the field of the specialist team’s research topic.

**The vacancy can be filled only with a full-time candidate for the period of up to 30 months (by 28.02.2015 at the latest).**

**Offered salary: min. CZK 40,000 (gross monthly salary/wage – full-time employment – 40 hours/week) and a possibility to gain further support within the motivation system of the University of West Bohemia depending on the results of work, up to CZK 57,000 monthly (gross).**

**Expected commencement of employment contract: 1 September 2012.**

**Required form of candidate’s job application:**

* Structured C.V.,
* Copies of documents proving obtained education (PhD diploma or equivalent thereof),
* Copies of documents proving achieved level in English (CAE or equivalent),
* Full bibliographic data of published articles in impacted magazines (state namely articles relating to specialization of the position, incl. the impact factor of the magazine at the time of publishing of the article concerned),
* Full bibliographic data of papers published in collections/almanacs of significant (listed in WoS or SCOPUS) international conferences relating to specialization of activity in the offered vacancy,
* Summary of significant teams (especially international ones) with whom the candidate cooperated, incl. the projects in which he/she was engaged,
* Summary of cooperation with sphere of application and achieved application outputs,
* Enclose at least two letters of recommendation from important personalities (e.g. dissertation supervisor or examiner).

For detailed information visit <https://exliz.zcu.cz/K02>

**Term for publishing: 21. 5. 2012.**

**Term for submitting applications: from 22. 5. 2012 till 21. 6. 2012.**

**Candidates shall submit their applications to:**

Human Resources Department of the University of West Bohemia in Pilsen (Personální oddělení Západočeské univerzity v Plzni) Univerzitní 8, 306 14 Plzeň, Česká republika/ Czech Republic. Responsible person: J. Fajtová, email: [fajtova@rek.zcu.cz](mailto:fajtova@rek.zcu.cz), Tel: +420 37763 1253.

Deliver your application together with all documents via registered mail or submit them personally. Please send all materials electronically to the above mentioned e-mail address simultaneously.

Should you have any questions contact the mentor.