UNIVERSIDADE DE COIMBRA

Call for Research Grants

The University of Coimbra offers one research grant to work on the Project CENTAUR – "Cost Effective Neural Technique for Alleviation of Urban Flood Risk", with the following characteristics:

Number of grants: 1

Type of activity: The project focus on the investigation and development of flood control devices to control urban water systems in real-time, aiming at reducing pluvial flooding in urban areas.
You will be part of the interdisciplinary research project CENTAUR ("Cost Effective Neural Technique to Alleviate Urban flood Risk"), where we collaborate with researchers and practicioners from Sheffield University (UK), EAWAG (CH) and industry partners from UK, Germany and Portugal.
The main tasks include the development of aplications for hydraulic models and data analysis, monitoring and data aquisition.
Elaboration of reports and scientific publications.

Financial support: H2020

Applicant profile: MSc degree in Civil Engineering (Hydrology, hydraulics, water resoures), environmental engineering, hydroinformatics or related fields.

Location: Department of Civil Engineering, Faculty of Sciences and Technology of University of Coimbra.

Duration: 6 months

Renewal: Eventually renewable

Scientific Orientation: Nuno Eduardo da Cruz Simões; José Alfeu Almeida de Sá Marques.

Financial conditions: The amount of the scholarship is 980,00€, paid at the end of each month by bank transfer, plus social security (*seguro social voluntário*, first level contributions) and a personal accidents insurance.

Regime: The attribution of the scholarship does not generate or entitle a relation of a legal-labour nature, it is undertaken in an exclusive dedication regime and the fellow is granted with the Fellow Statute of the University of Coimbra, according to the Regulation of Research Grants of the University of Coimbra.

Selection methods: Curriculum evaluation (70%) and interview (30%). The best 3 qualified applicants in curriculum evaluation will be invited for an interview.

Selection and attribution criteria: Curriculum evaluation: applicants will be scored according to their curriculum vitae (70%), references (15%) and letter of motivation (15%). interview: applicants will be scored according to their Attitude and work ethics (33.3%), English skills (33.3%) and maturity (33.3%). Preference will be given to the candidates with excellent English language skills, and experience in Hydraulic modelling, urban drainage, geospatial analysis, software programming and hydroinformatics is desired.

Formalization of application: Applications should be formalized by sending an:

1. Letter of motivation;
2. Detailed curriculum vitae, listing academic qualifications, past and current activities, scientific publications and tutoring experience;
3. Copies of Academic Degree Diplomas;
4. Two reference letters;

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Applications submission: Applications should be sent by email to nunocs@dec.uc.pt and jasm@dec.uc.pt.

Jury responsible for selection: Nuno Eduardo da Cruz Simões; José Alfeu Almeida de Sá Marques; José Paulo Pereira de Gouveia Lopes de Almeida.

Deadline to submit applications: Between 30/06/2017 and 31/07/2017

Publication date: 29/06/2017

Deadline for submission of applications: 31/07/2017

Additional information: The evaluation results will be announced within 30 days after the end of the applications submission deadline, by notifying the applicants via email. After the announcement of the results, candidates are considered automatically notified to, if they wish to do so, comment on the results on a preliminary hearing period within 10 days after that date. After this, the selected candidates will have to declare in writing their acceptance. Unless a justification worthy of consideration is presented, if the declaration is not submitted within the referred period, it is considered that the candidate waivers the scholarship. In case of resignation or withdrawal of the selected candidate, the next candidate with the highest evaluation score will be notified immediately.