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**Call for n. 1 Short Research Fellowship - Ca' Foscari University of Venice– Department of Environmental Sciences, Informatics and Statistics**

(L. 240 del December 30th 2010, art. 18, DL 19/2012;  
Regulations about Short Research fellowships D.R. n. 399 del 04/05/2018

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The Department **Department of Environmental Sciences, Informatics and Statistics** of Ca' Foscari University of Venice, having regard to the resolution of the Decision for Department n. 432/2020, date 17/04/2020, establishing the research programmes for awarding of the short fellowship in **“Adversarial machine learning algorithms for decision tree ensembles”**. lasting 5 months, with the possibility of renewal within the limits of art. 4 of the Regulations for awarding of university short research fellowships, **the research fellowship amounts to Euro 5.000,00** per year, gross to the recipient.

The expected starting date is on May 2020.

The research fellowship are awarded for the purpose of collaboration with the following research programmes of the **Department of Environmental Sciences, Informatics and Statistics**: *The goal of this activity is to design novel adversarial machine learning algorithm for classification tree ensembles. This study should first define a set of attack scenarios, and the design novel training algorithm able to build models, specifically forests of decision trees, that are robust with respect to the defined attacks. Moreover, novel methods for robustness evaluation will be investigated.*

**Deadline: 07/05/2020, 12:00 am**

**Rules of eligibility - Beneficiaries.**

- a) People with masters degree in Informatics (or equivalent) and an adequate scientific and professional cv are eligible.

Applicants must hold all the requisites within the call deadline. The qualifications will be evaluated by a Commission that examines the eligibility and qualifications of the candidates and makes a merit rank of them.

**Short Research Fellowships to non-EU citizens.**

If a non-EU citizen already living in Italy applies for a Research Fellowship, he must hold a residence permit valid up to the Deadline of the call. Otherwise, the Department undertakes to undergo the procedures for obtaining a residence permit for research activities.

**How to apply**

Candidates should submit:

1. The application form ([http://www.unive.it/nqcontent.cfm?a\\_id=177416](http://www.unive.it/nqcontent.cfm?a_id=177416)), duly dated and signed.
2. A CV in European format (<https://www.unive.it/pag/10368/>) duly dated and signed.
3. A photocopy of a valid identity document (e.g. Identity Card or Passport).
4. All documents, qualifications and publications relevant for the selection procedure.

**How to submit your application**

Hard copy of the application should be printed, signed and delivered to Patrizia Resente - Department of Environmental Sciences, Informatics and Statistics, via Torino 155, 30170 Mestre (VE) by e-mail [resente@unive.it](mailto:resente@unive.it).

**Selection procedure**

The selection is made by assessment of the scientific-professional qualifications of the candidates, the *curriculum vitae et studiorum*.

The short list will be published on <https://www.unive.it/data/17576/>.

**Information and contacts**



Candidates may find further details about the application process and the research project in the official call published on <https://www.unive.it/data/17576/>.

For further information please contact prof. Claudio Lucchese, phone + 39 041 234 8424, email: [claudio.lucchese@unive.it](mailto:claudio.lucchese@unive.it)

#### **Evaluation Procedure and Commission.**

A **Commission** summoned by the Director of the Department, who indicates the President of the Commission and the member taking the minutes, will evaluate the applications.

**Evaluation procedure.** The Commission defines the general evaluation criteria. The interview and any other test must ascertain the suitability of the applicant to the research activity. The Commission compiles a ranking and specifies the winning applicant, having regard to the score appointed to experience and qualifications, interview and any other test, as specified by the call.

**Awarding of the short research fellowship** Having received the selection documents, and at the outcome of the checks, the Director approves, by his own decree, the classification and the selection procedure reports and makes them public according to the procedures specified in the Regulation awarding the short research fellowship art. 6 and in the website <https://www.unive.it/data/17576/>. Exclusion is justified in detail in the selection reports which can be accessed in accordance with law 241/90.

The Director of the department at which the research programme will be conducted awards the research fellowship to the winner of the selection procedure, subject to ascertainment of the prescribed requirements. The latter shall accept the award within 7 days from receipt of the communication by signing the relative contract at the competent office of the Department which will establish the terms of and procedures for the collaboration and allocation of the grant.

**Grant.** The fellowship is intended to provide the successful candidate with the opportunity to pursue his/her own research while benefiting from the range of expertise at Università Ca' Foscari Venezia. The tutor coordinates the activities of the Research Fellow and any other research activity within the same program and provides the Fellow with all the information for carrying out the research.

The Department provides the Research Fellow with the needed back-up support such as access to facilities, equipment and administrative services.

The Research Fellowship is not, in any case, considered as an employment contract and the Fellow is not part of the University staff.

The rights for any patentable invention coming from Research Activities belong to the University or entities with which the University has signed (or will sign) specific agreements.