



Università  
Ca' Foscari  
Venezia

Dipartimento di Scienze Ambientali,  
Informatica e Statistica

Dipartimento di Scienze Ambientali, Informatica e Statistica  
Università Ca' Foscari Venezia  
Campus Scientifico – Via Torino 155, 30170 Mestre (VE)  
P.IVA 00816350276 - CF 80007720271  
www.unive.it/dais

## **Research fellowship - Università Ca' Foscari Venezia (Italian law 30 December 2010, n.240, art. 22 and subsequent amendments and additions)**

The present document in English is to be considered as a mere summary of the main provisions of the notice of competition which is available in Italian at the following ([link](#)). The text in Italian is the official text of the notice of competition for all legal intents and purposes and, in the event of non-conformity with the present document, it shall prevail.

### **Description**

The Department of Environmental Sciences, Informatics and Statistics at Università Ca' Foscari Venezia invites applications for fellowship in:

### **TITLE: Rethinking and Innovating Statistics for Extremes**

**SSD:** SECS-S/01

**Tutor:** Prof.ssa Ilaria Prosdocimi Co tutor: Isadora Antoniano Villalobos

**Duration:** 18 months

**Abstract:** The main objective is to develop innovative statistical models for extreme value analysis. Beside theoretical developments in the field of statistics, it is expected that the research will also deal with the application of such methodology to real data and the development of suitable statistical software so that the methods can be exploited by a wide range of scientists. The research output will be shared with the scientific communities interested in extreme value analysis by means of peer-reviewed publications and presentations at scientific conferences and workshops.

### **Who can apply**

Prospective candidates are expected to hold a master's degree MSc Mathematics; Computer Sciences; Environmental or Civil engineering and related fields, **or related areas** or equivalent foreign qualification or related disciplines.

Ca' Foscari encourages applications from researchers with positive evaluation in all the criteria in individual proposals such as Marie Skłodowska Curie Actions - Individual Fellowships/ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) or similar.

Researchers having successfully completed Marie Skłodowska Curie Actions - Individual Fellowships/ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) or similar funded projects are warmly encouraged to apply.

**Duration of contract:** 18 months, approximately starting: **December 2023**

**Stipend:** The research fellowship **amounts to 29.077,16 Euros per year**, including taxes and social charges.

**Deadline for submission of applications: Oct. 23<sup>rd</sup>, 2023 at 12.00 noon.**



## How to apply:

Candidates should submit:

1. The application form;
  2. A motivation letter (max 1 page) along with their CV in European format, duly dated and signed, both to enclosed as a one single.pdf file ([link](#)); a declaration must be appended in the footnote of the curriculum, pursuant to the Italian DPR 445/2000 and subsequent amendments and additions, that the information provided corresponds to the truth. Moreover the candidates have to consent to the use of their personal data for the purposes of this selection procedure pursuant to the Italian Legislative Decree 196/2003 and to the EU Regulations 2016/679;
  3. The attachments called “obligations and understanding” and “participation and compatibility”;
  4. A copy of a valid identity document (either Identity Card or Passport);
  5. (If available) Evaluation Summary Reports of Marie Skłodowska Curie Actions - Individual Fellowships/ ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) individual proposals having passed all the evaluation thresholds;
  6. (If available) Details of Marie Skłodowska Curie Actions - Individual Fellowships, ERC Starting Grants, FIRB (Italian Fund for basic research investments)/ SIR Scientific Young Independence Research funded projects;
  7. Declaration on availability to held the interview in remote ([Link](#)) to be send via email at the following address: [segreteria.dais@unive.it](mailto:segreteria.dais@unive.it) with the object: **Rethinking and Innovating Statistics for Extremes** – Prof.ssa Ilaria Prosdocimi
  8. All documents, qualifications and publications relevant for the selection procedure (please, see the notice [link](#)).
- All the schemes of the quoted documentation are available on the website ([link](#)).

## How to submit your application

Applications should be submitted by the online procedure, available on the notice webpage ([link](#))

### Or submit here:

Link:

<https://apps.unive.it/domandeconcorso-en/accesso/dais2023prosdocimirethinking>

The candidate, after the uploading, will receive a submission number and an e-mail acknowledging receipt of his/her application.

The candidate, if necessary, could access the procedures for updating any data and



materials by the link provided by the e-mail, in any case any updates must be made no later than the deadline **Oct. 23<sup>rd</sup>, 2023 12.00 noon**.

Please note that the University can be contacted for any support needs by the candidate until 24 hours prior to the deadline.

Please note that in case of a high number of applications and / or weight of the materials loaded by the candidates the system might become slower. Therefore, it is suggested not to start the process close to the deadline.

**NB:** The University does not take on responsibility for wrong or late communication of addresses, nor for any communication problem not depending on the University.

### Evaluation

Up to 100 points, specifically:

For qualifications, publications and possible tests, from 0 to 60;

For interview, from 0 to 40.

**Candidates are admitted to the interview if assessment of the qualifications in a score equal to or greater than 42/60**

### Selection procedure

Short-listed candidates will be invited for interview on November 3<sup>rd</sup>, 2023 at 12:30 A.M. Italian time

The interview will be held in remote only. Further details on how to connect online will be published alongside the convocation notice.

The list of candidates admitted to the interview or any postponement will be announced on **Oct. 30<sup>th</sup>, 2023** by notice that will be published on the website of this university ([link](#)) and on the web pages foreseen by current legislation.

This communication constitutes to all intents and purposes an official call and candidates will not receive any call or home communication. Therefore, candidates are required to present themselves, at the online interview, with a valid identification document, without prior notice, on the days and times indicated here. Any postponements will be made known on the day by means of a notice which will be published on the website of this university ([link](#)) and on the web pages envisaged by current legislation.

### The interview:

The interview will assess the candidate's knowledge on the following topics:

- Bayesian and frequentist model, in particular nonparametric and semiparametric methods;



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- Extreme value statistics;
- Extreme Value theory
  
- Knowledge of the English language

### Information

The grant holder must express acceptance within 7 days from receiving the communication and must sign the relevant contract at the competent office. The grant holder will be sign the relevant contract by affixing remote digital signature (<https://www.agid.gov.it/it/piattaforme/firma-elettronica-qualificata/ottenere-firma-elettronica>). In the impossibility of acquiring the digital signature remotely, it will be possible to proceed with the acquisition of the signature by correspondence or in presence at the secretariat of The Department of Environmental Sciences, Informatics and Statistics.

(1) The contract will be considered completed and fully effective between the parties, after the acquisition of all the signatures and the repertory of the deed.

- The contractor must attach a photocopy of the identity card.

### Information and contacts

Candidates may find further details about the application process and the research project in the official call published on the following ([link](#))

For further information please contact Segreteria del Dipartimento di Scienze Ambientali, Informatica e Statistica Tel 041/2348526 - 041/2348531 – [segreteria.dais@unive.it](mailto:segreteria.dais@unive.it)

Venice,

The head of the Department of  
Scienze Ambientali, Informatica e Statistica  
Prof. Salvatore Orlando

Digitally signed