



Università  
Ca' Foscari  
Venezia

Dipartimento di Filosofia  
e Beni Culturali

Dipartimento di Filosofia e Beni Culturali  
Università Ca' Foscari Venezia  
Malcanton Marcorà – Dorsoduro 3484/D, 30123 Venezia  
P.IVA 00816350276 - CF 80007720271  
www.unive.it/dip.fbc

**Research fellowship on *Implementation of an Argument Extractor for online debates* -  
Università Ca' Foscari Venezia  
(Italian law 30 December 2010, n.240, art. 22)**

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 Philosophy and Cultural Heritage at Università Ca' Foscari Venezia invites applications for a fellowship in:

**Title: Implementation of an Argument Extractor for online debates**, Scientific Disciplinary Sector and Competition Sector Groups: **INF/01 INFORMATICS**

**Scientific Coordinator:** Professor Eleonora Montuschi

**Tutor:** Professor Massimo Warglien

**Abstract:** The research is part of project "ISEED - *Inclusive Science and European Democracies*' (H2020-SC6-GOVERNANCE-2020), GA n. 960366 – CUP H79C20000570004". The aim of the project is to construct a novel concept of 'deliberative participation' designed to enhance both the quality and the legitimacy of political decision-making, by focusing on the importance of knowledge-based deliberation. ISEED will build on and extend existing experience in the field of citizen science to explore the conditions under which participative and deliberative practices can be successfully implemented for the purpose of building forms of knowledge-based democratic governance complementary to political representation in democratic societies. ISEED combines theoretical analysis, empirical research, and small-scale experiments.

The research fulfills Work Package 5 of the project, the research fellow will have to collaborate in developing and application use of code for an "Argument Extractor" that helps to extract and analyze causal arguments from textual corpora and in particular from online debates and disputes. The Argument Extractor will have to extract sentences of causal content, classify them by semantic areas through the analysis of causal verbs, aggregate causes and effects, use the metadata of the corpus as covariates of the analysis, analyze the correlation structure of the arguments and their dynamics thunderstorm.

The research must produce:

- a set of IT tools (which can be made accessible through open-APIs) to acquire data from social media;
- tools for the pre-processing of raw data, extraction of the relevant textual content, identification of causal and argumentative structures in the text and their representation in directed graphs;
- a working paper relating to the activity covered by the assignment.

The research will be carried out in English.

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.



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### Who can apply

Prospective candidates are expected to hold a doctoral degree in Computer Science.

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: **June 1<sup>st</sup> 2022**).

**Stipend:** The research fellowship amounts to 27.000,00 Euros per year, including taxes and social charges.

**Deadline for submission of applications:** April 29<sup>th</sup> 2022, 12.00 noon - CET.

### 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](#)).
3. A copy of a valid identity document (either Identity Card or Passport);
4. (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;
5. (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;
6. Declaration on availability to held the interview in remote ([link](#)) to be send via email at the following address: [ricerca.fbc@unive.it](mailto:ricerca.fbc@unive.it)
7. 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:** <https://apps.unive.it/domandeconcorso-en/accesso/dfbc-iseed-dman-2022>

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



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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: **April 29<sup>th</sup> 2022, 12.00 noon – CET.**

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.

### Selection procedure

Short-listed candidates will be invited for interview on **May 18<sup>th</sup> 2021, 15:00 am – CET.**

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

### 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 the Research Office of the Department of Philosophy and Cultural Heritage, tel. 00-39-041-234-6353/7272, e-mail: [ricerca.fbc@unive.it](mailto:ricerca.fbc@unive.it).