



Università
Ca' Foscari
Venezia

Global@Venice

Post-doc Fellowship at Ca' Foscari University of Venice

“Expression of Interest” for Global at Venice - call 2021

1. Interested institution (legal person):

Ca' Foscari University of Venice

2. Department/Centre:

Department of Environmental Sciences, Informatics and Statistics

The Software and System Verification group at Ca' Foscari University of Venice

(<https://ssv.dais.unive.it/>) is a research team focused on static analysis and its applications. The group (<https://ssv.dais.unive.it/people/>) comprises a full professor (Agostino Cortesi), two tenure-track assistant professors (Pietro Ferrara and Stefano Calzavara), a researcher (Alvise Spano'), and several postdocs (Vincenzo Arceri, Mohammad Imran Alam) and PhD students (Gianluca Caiazza, Martina Olliaro, Luca Negrini, Zubair Ahmad).

The group is currently active in several projects (<https://ssv.dais.unive.it/projects/>) applying and extending static analysis to various contexts such as blockchain smart contracts, IoT systems, robotic software, and string values.

One of the main projects of this group is the design and experimental evaluation of tools for the verification of robotic systems in order to prevent security attacks and provide evidence of their reliability.

Currently, we are launching a new spin-off of Ca' Foscari in this specific area (Secura Factors), that will offer real-case challenging scenarios for evaluating the effectiveness of the verification techniques.

3. Position, scientific requirements, topic, scientific panel:

Position:

Post-doc Position

Scientific requirements:

PhD in Computer Science

The fellow should have experience in programming languages, software engineering, static analysis and its application to the detection of security vulnerabilities.

The fellow should have leadership abilities and international experience in research.

Topic(s):

We are interested in proposals in one of the following Scientific Panels covering the following topics:

- 1) Requirement specification models for Robotic Systems
- 2) Verification of Software for Robotic Systems

Scientific Panel:

X PE - Physical Sciences and Engineering

LS - Life Sciences

SH - Social Sciences and Humanities



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4. Contact person:

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