ΑΝΑΡΤΗΤΕΑ ΣΤΟ ΔΙΑΔΙΚΤΥΟ

HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT AND INVESTMENTS
GENERAL SECRETARIAT OF RESEARCH AND INNOVATION

FOUNDATION FOR RESEARCH AND TECHNOLOGY – HELLAS (FORTH)
INSTITUTE OF COMPUTER SCIENCE
N. Plastira 100, Vassilika Vouton, GR-700 13 Heraklion, Crete, Greece

Ref. 79974
Heraklion 26/05/2022

Call for expression of interest for one (1) (ESR[1]) PhD Student
in the Institute of Computer Science (ICS)
Foundation for Research and Technology – Hellas (FORTH)

Position: One (1) full-time (ESR) PhD Student in *Robotics and Artificial Intelligence*

Project: "RAICAM – Robotics and Artificial Intelligence for Critical Asset Monitoring", funded under Horizon 2020, Marie Skłodowska-Curie Doctoral Network.

Desired starting date: Early in 2023

Duration: Up to four (4) years

Location: Heraklion, Crete, Greece

Opening date: May 26st, 2022

Closing date: Aug. 31st, 2022

Ref.: RAICAM-May2022

[1] ESR: Early Stage Researcher

Description

- The position is a full-time PhD student position and is funded by the European Commission, under the H2020 Marie Skłodowska-Curie Doctoral Network program RAICAM.

The central scientific goal of RAICAM is to conduct research into the underlying technologies in Robotics and AI that will unlock the capability for a fleet of robots to conduct coordinated sampling campaigns in industrial facilities with varying levels of autonomy. The project will investigate how to undertake robotic sampling using a multi-disciplinary approach that will fuse fundamental research with systems-level engineering. The RAICAM Doctoral Network will train the next generation of robotic systems engineers who will develop creative and innovative multi-disciplinary skills, enhancing their inter-sectoral mobility.

- We welcome applicants with a B.Sc. and M.Sc. degree, aiming at pursuing a Ph.D. degree.
- The position is to be filled for a period of up to 4 years.
- According to the H2020 Marie Skłodowska-Curie Doctoral Network directives and requirements:
  - The salary for this prestigious position will be highly competitive.
  - The successful candidate will formally bear the title “Marie Skłodowska-Curie PhD Candidate”.

Required qualifications:

- B.Sc. and M.Sc. degrees in Computer Science or related Engineering field
  - $\Rightarrow$ Exceptional candidates not holding an M.Sc. will be considered
- Experience with Robot control and/or Machine Learning techniques
- Programming skills in languages such as C++ and python
- Experience with development tools: opencv, ROS, scipy, Matlab or equivalent
- Willingness and ability to work in a team, to learn, and to take initiatives
- Communication skills
- Recommendation letters from at least two (2) professors/co-workers

Desired qualifications:

- Background in autonomous robot navigation and/or legged robot locomotion
- Experience with Sensory (Visual) data processing

Eligibility Criteria:

- According to the H2020 Marie Skłodowska-Curie Doctoral Network directives and requirements, at the time of recruitment by FORTH, the successful applicant must not have resided or carried out their main activity (work, studies, etc.) in Greece for more than 12 months in the 3 years immediately prior to the reference date.

Expression of Interest

Interested candidates should contact Prof. Panos Trahanias (trahania@ics.forth.gr). Given the procedure and requirements for enrollment in the PhD programme, candidates are encouraged to proceed as soon as possible.

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