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University of Padova - Department of Information Engineering

Selection announcement for the awarding of 1 research fellowship entitled:

**Design and implementation of localization algorithms and
communication protocols for next-generation non-terrestrial networks**

Selection announcement n. 94/2025

Candidates shall also refer to the forms and documentation related to the selection announcement available at the links hereunder:

<https://www.dei.unipd.it/node/50498>

Having regard to par. 4 of Art. 80 of the University's "Regolamento di Ateneo per l'amministrazione, la finanza e la contabilità" (Regulations Governing Administration, Finance, and Accounting) and "Regolamento delle borse per lo svolgimento di attività di ricerca", (Regulations Governing Research Fellowships) a selection announcement has been published for the awarding of [enter number 1 research fellowship at the Department Information Engineering under the supervision of Prof. Michele Zorzi , Research Project Supervisor. The research fellowship shall last for 12 months.

The research fellowship shall be for a total amount of € 19367 (gross recipient)
financed by WINE and will be paid in deferred monthly instalments.

Research grants are subject to the tax and social security treatment established by the law in force at the time of payment.

The project

The

activity involves the design and implementation of communication protocols for next-generation non-terrestrial networks via drones and/or satellites, together with advanced localization techniques for end users in emergency scenarios leveraging 5G NR signaling. The activity also involves the use of advanced simulation platforms and hardware devices to collect, process, and analyze legacy cellular signals

ADMISSION REQUIREMENTS

- Master's degree (Laurea magistrale nell'area dell'ingegneria dell'informazione o informatica)

(The eligibility of qualifications awarded abroad will be verified by the Selection Committee.)

Required skills:

Conoscenze informatiche

- _ nozioni di base di programmazione
 - conoscenza delle problematiche relative alle reti wireless e dei principali protocolli
- Incompatibility**

The fellowships within this announcement may not be combined with:

- other research grants ;
- fellowships of any other kind, with the exception of those awarded by national or foreign institutes to integrate, with periods abroad, the specific research activities required by this announcement.

In the case of self-employed, employed or parasubordinate employed, compatibility shall be determined by the Research Project Supervisor.

Research Fellowship Holder may not have family or kinship relationships up to the fourth degree with lecturers or researchers working at the Department elected as "Research Base", or with Rector, or Director General, or a member of the University Board of Governors.

Procedures for submission of application form

The deadline for submitting the application form is 21/10/2025 at 12.30

The application form to use is available at the link indicated on the selection announcement <https://www.dei.unipd.it/node/50498>

Alternatively, it can be submitted as follows:

- 1) delivered in person to the Administrative Secretariat of the Department of Information Engineering at the following address: Via Gradenigo 6/b, 35131 Padova
- 2) posted by registered mail with advice of receipt to the following address: Department of Information Engineering, Via Gradenigo 6/b, 35131 Padova the application must be received no later than 12.30 pm on 04/19/2024
- 3) sent by certified e-mail (PEC) to dipartimento.dei@pec.unipd.it [pec e-mail address of department].

The envelope or subject heading of the email must indicate the following: "Selection Announcement for the Awarding of Research Fellowship -" *insert the title of the research fellowship*" with the Department of Information Engineering

The application must include:

- a) A dated and signed Europass CV, available at the link indicated on the selection announcement;
- b) a photocopy of a valid identity document (Identity Card or Passport);
- c) any other document, qualification or publication useful for the selection process.

Selection procedure

Candidates' applications shall be evaluated by a Selection Committee that will be nominated in accordance with the "Regulations Governing Research Fellowships," on the basis of their qualifications.

Prior to assessing candidates, the Selection Committee shall establish the maximum score, criteria and the procedure to be used in evaluating qualifications

At the end of the selection process, the Selection Committee shall send the report to the Head of the Department/Centre for approval.

After verifying the legality of the deeds, the Head of Department/Center shall approve by decree the ranking order and the awarding of the research fellowship.

The administrative office of the Department/Center that issued the selection announcement shall notify the successful candidate.

The winner must accept the award within ten days of notification. Otherwise the winner shall forfeit the right to the research fellowship. In case of renunciation, the fellowship

will be awarded to the next eligible candidate, according to the ranking order.

The ranking order will be published on the Department web page at the following address, <https://www.dei.unipd.it/node/50498>

and on the University's website.

Return of Documents and Publications

Any documents and publications sent to the University can be returned at the applicant's expense after two months from the completion of the selection process, subject to any ongoing litigation.

Processing of personal data

In accordance with Legislative Decree no. 196 dated 30 June 2003 and s.m.i, it is hereby stated that any data provided, in print or electronic format, shall be handled only for the purposes of this announcement and the entering into and managing of the relationship with the University.

The person responsible for administrative proceedings

In accordance with Art. 5 of Law no. 241 dated 7 August 1990, the person responsible for the selection process (RPA) is Sabrina Michelotto who can be reached at the Department , at the e-mail address bandi@dei.unipd.it

Final provisions

For anything not specified in this selection announcement, see the University of Padova's

current regulations regarding the awarding for research fellowships.

Padova,