

LONG-TERM FELLOWSHIP OPPORTUNITY INFORMATION NOTE

The United Nations/Italy Long-term Fellowship Programme On Global Navigation Satellite Systems (GNSS) and Related Applications

- 1. Thematic Area:** Global Navigation Satellite Systems (GNSS).
- 2. Title:** Master in Navigation and Related Applications (MNA).
- 3. Offering Institutions:** Politecnico di Torino (School of Information Technologies) and Istituto Superiore Mario Boella (ISMB), with the collaboration of Istituto Nazionale di Ricerca Metrologica (INRIM), Turin, Italy.
- 4. Executing Agency:** United Nations Office for Outer Space Affairs (UNOOSA), Programme on Space Applications.

Contact Person: The United Nations Expert on Space Applications

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- 5. Duration and Beginning Date:** 12 months, starting in January 2018.
- 6. Deadline for Applications:** Application form and other required documents (see section 12 below) shall be received in the United Nations Office for Outer Space Affairs **by 27 September 2017 at 11:59 a.m. (CEST)**. Selected candidates will be notified on the outcome of their application by 31 October 2017.
- 7. Fellowship Language:** English only
- 8. Total Number of Fellowships Available:** Four
- 9. Brief Programme Description:** The Master in Navigation and Related Applications (MNA) Programme starts in January 2018 and lasts for 12 months, including a period ranging from 3 to 4 months for hands-on pilot project (internship). The MNA Program study provides extensive background knowledge in navigation/localization systems as well as a detailed analysis on NAV/COM integration and environmental monitoring applications.

For additional details please see visit the website of Politecnico di Torino:
<https://didattica.polito.it/master/navigation/2018/introduction>

- 10. Financial Arrangements:** The selected participants will each receive a grant from Politecnico di Torino of about EUR 6,000 for the duration of their fellowship study (12

months) to cover housing, food, local transportation, etc. The offering institution will also cover tuition fee in full for these participants. International round trip air travel between the participant's international airport of departure and Turin, Italy (most direct and economic route) may be provided by UNOOSA.

11. Admission Requirements: The MNA Programme candidates are required **to have completed Master Degree or equivalent (5 years University degree)** in Aerospace Engineering, Electrical Engineering, Environmental Engineering, Communication Engineering, Information Technology or related subjects. Other degrees in different technological fields can be considered by the Master Commission.

Written and spoken English is required, together with basic knowledge in communication theory and electronics.

Candidates also should have some experience in the following areas:

- Principles of digital communications and signal processing;
- Basics of electromagnetic wave propagation;
- Basics of software tools (e.g. Matlab) and programming languages (e.g. C).

12. Application to the Fellowship Programme: Fully completed application form should be submitted by mail to the United Nations Expert on Space Applications **no later than 27 September 2017 at 11:59 a.m. (CEST)**. To accelerate processing of application, an advance copy should also be e-mailed (oosa@unoosa.org) or faxed (+43 1 26060 5830) directly to the Office for Outer Space Affairs. For additional details, please refer to the enclosed document “Terms of Participation in the Long-term Fellowship Programmes”.

In addition to the enclosed UNOOSA fellowship application form, all applicants are also **required** to complete the on-line application form of Politecnico di Torino as it will help to streamline the process of selecting recipients of the fellowship grants. Instructions on how to proceed with that and the link to appropriate webpage of Politecnico di Torino are available on the UNOOSA website: <http://www.unoosa.org/oosa/en/ourwork/psa/gnss/fellowships.html>

Upon reviewing the received applications, the organizers will pre-select a group of most qualified candidates and may request those pre-selected candidates to fill up an on-line application form available on the web site of Politecnico di Torino (if it has not been done before) and to provide some additional information/details. A final selection of 4 participants of the fellowship programme will be made by Politecnico di Torino and UNOOSA on a basis of evaluation of application documents received.

13. Responsibilities of the Nominating Government/Agency/Organization: The nominating government agency, organization or academic institution should bear the following costs on behalf of the selected participant for the duration of the fellowship programme:

- All expenses in the home country for preparation of travelling abroad, including passport, entry visa, medical examinations, inoculations, and other miscellaneous items, and domestic travel to and from the international airport of departure for Italy, in the home country;
- Salary and related allowances to which a participant may be entitled in his/her country during the period of the fellowship programme study;

- Life insurance and health insurance for the participant for the duration of the fellowship programme study.

14. Additional information: The latest information on/updates to the fellowship programme will be available on the website of the United Nations Office for Outer Space Affairs: <http://www.unoosa.org/oosa/en/ourwork/psa/gnss/fellowships.html>

Applicants are also advised to familiarise themselves with information from Politecnico di Torino website: <https://didattica.polito.it/master/navigation/2018/introduction>