

UNIVERSITY OF NAPLES "FEDERICO II"

DEPARTMENT OF ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGIES (DIETI)

NOTICE OF COMPETITION FOR THE AWARD OF A RESEARCH FELLOWSHIP (ASSEGNI DI RICERCA) PURSUANT TO ARTICLE 22 OF THE ITALIAN LAW NO. 240/2010

This document cannot be used for legal purposes and is only meant to provide information about the call in English for applications

DECREES OF THE DIRECTOR NO 333/2021

- HAVING REGARD TO** Law no. 240/2010 "Norme in materia di organizzazione delle università, di personale accademico e reclutamento, nonché delega al Governo per incentivare la qualità e l'efficienza del sistema universitario", and in particular to Article 22, which governs grants for research activities;
- HAVING REGARD TO** the University of Naples Federico II's current Regulations governing;
- HAVING REGARD TO** the University of Naples Federico II's Regulation regarding the assignation of research grants, as issued by Rector's Decree 2019/1510 of 23.04.2019;
- HAVING REGARD TO** the Research Project with title "AEROTRAIN - AERial RObotic TRAINing for the next generation of European infrastructure and asset maintenance technologies" MARIE_CURIE Programme for Research and Innovation 2014_2020, CUP: E55F21000590006, whose responsible is Prof. Vincenzo Lippiello;
- HAVING REGARD TO** the financial availability for the research grant;
- HAVING REGARD TO** Law no. 190 of 6 November 2012, as amended, which contains provisions for the prevention and repression of corruption and illegal conduct in the Public Administration;
- HAVING REGARD TO** a three-year plan for the prevention of University corruption;
- HAVING REGARD TO** the University Code of Conduct;
- HAVING REGARD TO** the Regulation about Employee Code of Conduct;
- CONSIDERING** the persistence of the state of health emergency and the restrictions imposed by the government and the decrees of the Director General published from 10/03/2020 up until today
- IN EXECUTION OF** the Directorial Decree n. 328 of 05.08.21 with which the call for selection was authorized for the awarding of n.2 fellowships pursuant to the Regulations for

the awarding of research fellowships for the conduct of research activities issued with D.R. 2019/1510 del 23.04.2019

HEREBY DECREES

That a notice of competition is hereby issued for the award of 2 research grants, as set forth in Article 1, paragraph 3, letter b) of the University of Naples Federico II's current Regulations Governing the Award of Grants for Research Activities.

Naples, 06/08/2021

Signed by the Director

Prof. Giorgio Ventre

Art. 1 **Award**

With reference to the research project **"AEROTRAIN - Aerial RObotic TRAINing for the next generation of European infrastructure and asset maintenance technologies" MARIE_CURIE_ Programme for Research and Innovation 2014_2020**, CUP: E55F21000590006, whose responsible is Prof. Vincenzo Lippiello, the Department of Electrical Engineering and Information Technology of University of Naples Federico II, is hereby issuing the award of n.2 research fellowships. The selection is based on the evaluation of the candidates' qualifications and a possible oral interview.

The identification number of the competition, the title, the description of the research program, the funding institution, the duration of the contract and its gross incoming, net of university charges, are listed within the Attachment A) of this announcement.

Art. 2 **Requirements for Candidacy**

In order to participate in the selection, applicants must possess, or will be otherwise excluded, the following requirements:

- *The applicant must not have resided or carried out his/her main activity (work, studies, etc.) in the country of the host organization for more than 12 months in the 3 years immediately prior to his/her recruitment. Short stays, such as holidays, are not considered.*
- *The applicant is an "Early-Stage Researcher" meaning that, at the time of the application, the applicant has got the Master's degree, or equivalent, that would formally entitle the applicant to embark on a doctorate. Besides, the applicant is in the first four years (full-time equivalent) of the career, measured from the date of the obtained Master's degree, or equivalent. Periods spent to obtain further academic titles (additional Masters' degrees, specialization diploma, specialization courses, etc.) are excluded from the 4-year calculation.*
- *Applicants are not eligible if they have already been awarded a PhD.*

The admission requirements will be verified by the Selection Committee. The requirements must be met by the date of the application for this selection.

If the candidate is in possession of qualifications obtained abroad and these have not been recognised as equivalent based on international agreements or in article 2 of Law no. 148 of 11 July 2002, the Selection Committee (defined within Art. 4) shall assess, solely for the purposes of participation in this public selection procedure, the conformity of the same with a similar qualification issued by an Italian academic institution. To this aim, participants must attach to the application either original English documents or the original documents translated into English or Italian and legalized (i.e., the applicant must attach a declaration by the competent diplomatic certifying the veracity of the translation) as well as other documents deemed useful for the evaluation of equivalence of the qualification.

The aforementioned documentation must be attached to the application form, in its absence the participant will be automatically excluded from the selection procedure.

Candidates cannot be permanent employees of universities, public research institutions or organizations, the Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo Economico Sostenibile (ENEA), the Agenzia Spaziale Italiana (ASI), or any other institutions that offer a Scientific Specialization Diploma (diploma di perfezionamento scientifico) that has been recognized as being equivalent to a PhD pursuant to Article 74, paragraph 4 of Presidential Decree no. 382 of 11 July 1980.

Furthermore, pursuant to Article 18, paragraph 1, letters b) and c) of Law 240/2010, no person who is a relative or spouse of a member of the Selection Committee shall be or of the Rector, the Director-General, or a Member of the Board of Governors of the University of Naples Federico II will be permitted to take part to the competition.

Art. 3

Application procedure

Applications for participation to this competition must be sent to Dipartimento di Ingegneria Elettrica e delle Tecnologie dell'Informazione dell'Università degli Studi di Napoli Federico II - Ufficio Dipartimentale Gestione Progetti di ricerca e attività sul territorio – via Claudio, 21 – 80125 NAPLES, ITALY, by filling in the form at the following website: <https://form.jotform.com/212062086163347>

Applications must be submitted no later than 13:00 (Italian time) on 3 September 2021. No applications received after the above-mentioned deadline will be accepted.

The application form must declare the following, under his/her own responsibility or will be otherwise excluded:

- the candidate's name, last name, date and place of birth, nationality, and place of residence;
- competition identification number and title of the research program;

- that the applicant is not an employee of a university or public research and experimental institution or organization, the Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo Economico Sostenibile (ENEA), or the Agenzia Spaziale Italiana (ASI), or any other institution that offers a Scientific Specialization Diploma (diploma di perfezionamento scientifico) that has been recognized as being equivalent to a PhD pursuant to Article 74, paragraph 4 of Presidential Decree no. 382 of 11 July 1980;
- that the applicant does not fall within any of the situations of incompatibility set forth in Article 18, paragraph 1, letters b) and c) of Law 240/2010: that is, that the applicant is not related by kinship (up to and including the fourth degree) or by marriage to a member of the Selection Committee, or to the Rector, the Director-General, or a Member of the Board of Governors of the University of Naples Federico II;
- the address at which the applicant wishes to receive communications relating to the competition, the telephone number, the e-mail address, the Skype contact for the possible oral interview, and a commitment to provide prompt notice of any change of the provided address;
- CV regarding scientific and professional activities;
- a presentation letter describing the motivations behind the choice of applying to the competition, with explicit indication of past activities close to the ones required by the open positions;
- Diploma (both B.Sc. and M.Sc., or equivalent)
- the list of degrees and grade transcript;
- a copy of a valid identity document;
- declaration in lieu of certification, pursuant to art. 46 of the D.P.R. n.445 / 2000 (Annex C), concerning: possession of any qualifications that are considered useful for the purposes of the selection (degrees, masters, diplomas of specialization, certificates of attendance of post-graduate specialization courses obtained in Italy or abroad, scholarships or research assignments both in Italy and abroad, etc.);
- the forms B), C), and D) here attached duly filled in, signed, and scanned;
- A project proposal for the position (max 2 pages, A4 format). Proposals can include a research statement, a short plan related to the position, a plan for publications and research risk management.

Applications missing the previous points will determine the exclusion from the selection. Documents and qualifications must be submitted in Italian or English and certified according to Italian law; they may be annexed to the application in digital format, provided they are self-certified (declaration in lieu of certification).

The applicant may upload, optionally, the following documents.

- Proof of English proficiency, such as an English certificate (TOEFL or similar).
- Up to three relevant publications in the related scientific fields.
- Up to three reference letters.
- Certificates of attendance at post-graduate specialization courses and other qualifications related to the performance of documented research activities in public and private entities, both in Italy and abroad.

The Administration shall not be held responsible for any lack of communications due to the incorrect indication of the address by the applicant or failure or delay in communicating the change of address indicated in the application, nor for any postal or telegraphic mishandling, or in any case attributable to third parties, occurred by chance or due to force majeure.

Note: applications received after the above deadline will not be accepted. The Administration will accept no liability for the case of dispersion of communications, due to inaccurate indications of the residence and address by the applicant or from failure or late communication of the change of the same, nor for any postal or telegraphic malfunction that cannot be attributed to the University Administration.

Art. 4

Selection Committee

The Selection Committee is appointed by a decree of the Head of the Department. The Committee will consist of three sitting and two substitute members, chosen from university professors and researchers.

The Selection Committee may consult highly qualified Italian or foreign experts external to the University, provided that this entails no additional charge to public funds.

Art.5

Selection

Selection is based on assessment of the candidate's qualifications and an interview. For the purposes of deciding the overall score, the Selection Committee's assessment will be based on a total score of 100 points, 70 points related to the assessment of the candidate's qualifications and 30 points related to the candidate's performance during the interview.

Article 6

Evaluation of Qualifications

Points for research project, qualifications and publications are awarded as follows:

- a.1) up to 10 points for the research project produced by the candidate;
- a.2) up to 10 points for the final mark of master's degree;
- a.3) up to 15 points for further university qualifications (undergraduate degrees, specialization diplomas, other master's degrees), as they relate to the relevance of said qualifications to the research activities to be undertaken;
- a.4) up to 30 points for the scientific publications, taking the following criteria into consideration: originality and innovative nature of the scientific work and its methodological accuracy; the compatibility

of the candidate's profile with the notice; and the scientific status of the publishers of the publications and their citations within the scientific community;

a.5) up to 5 points for other qualifications associated with documented research activities for government and private organizations in Italy and abroad (up to a maximum of 3 points for each certificate or qualification);

Maximum 30 points are available for the oral interview.

Evaluation of qualifications will precede the interview. Candidates who score at least 35 out of 70 in the evaluation of qualifications will be shortlisted for the interview.

The results of this evaluation will be communicated to the parties concerned before the interview by posting on the website of the Department of Electrical Engineering and Information Technology at the following address: <https://www.dieti.unina.it/index.php/it/2017-07-11-07-44-54/assegni-di-ricerca>

This communication constitutes an official notice, and no personal communications will be sent to the interested parties. The results of the evaluation of qualifications will be made known to interested parties, before the interview is carried out, by publication on **14 September 2021 at 18:00** (Italian time) on the website of the Department of Electrical Engineering and Information Technologies (as required in Annex A). The admitted candidates will take the interview on **16 September 2021 at 09:00** (Italian time) in telematic mode (as provided for in Annex A), during which the identification of the candidate and the publicity of the test must be ensured. Candidates must guarantee, specifying it in the application, that the location from which they will take the interview is equipped with a webcam, essential for the identification of the candidate, and is equipped with a microphone and headphones / audio speakers. At the beginning of the telematic interview, candidates must show to the Commission the same identification document sent with the application.

This timetable for conducting the competition tests will have the value of official notification and no personal communications will be forwarded to the interested parties.

The interview aimed at deepening the candidate's curriculum and knowledge, with reference to the research program being the subject of the call, as well as a verification of an adequate knowledge of the English language, will be considered passed if the candidate has achieved a score of at least 24/30.

Article 7

Shortlist, Interview and Ranking list

The shortlists for the interviews and the date in which the interviews will take place will be published on the website of the Department of Electrical Engineering and Information Technology at the following URL: <https://www.dieti.unina.it/index.php/it/2017-07-11-07-44-54/assegni-di-ricerca>

The interview, which may take place by videoconference, will also assess the candidate's foreign languages proficiency.

In case of videoconference, the candidate must guarantee a stable internet connection, the presence of a

webcam for identification purposes, the presence of a microphone and audio output. At the beginning of the interview, the candidates must exhibit the same identity document submitted along with the application.

The interview will be deemed to have been passed if the candidate is awarded a score of at least 24 out of 30 points.

Scores will be ranked in descending order based on the sum of the scores obtained for the qualifications and the interview. In the event of a tie among two or more candidates, preference will be given to the younger candidate.

The grants will be awarded based on the order of the relevant ranking. In the event the award is not accepted by the deadline identified in Article 8 or is turned down before the research activities commence, the grant will be awarded to the next ranking candidate in the classification order.

ARTICLE 8

Start Date and Activities and Obligations of the Grant Recipient

The successful applicant will be given notice of the manner in which her or his contract must be signed. The successful applicant must sign the agreement within the essential term of fifteen days after receipt of the above notice, on pain of cancellation.

The Council of the facility where the holder of the fellowship must carry out his work will appoint the professors who will supervise the research activities of the grant recipients. The supervisors, together with the grant recipients, will establish an annual work plan.

With the exception of the cases listed in the final paragraph of Article 9, the research activities associated with this grant must commence, without any possibility of postponement and under penalty of cancellation, on the first day of the month following that in which the agreement is signed. Commencement of research activities must be documented in a declaration issued by the Head of the structure at which the research takes place.

The grant holder must present annually a detailed report on the activities carried out.

Subject to approval by the supervisor, the research activities may be carried out abroad at a foreign university or research institution for a maximum of six months in any one year. If that is the case, the foreign university or research institution hosting the fellow will issue a signed statement confirming that the research being carried out is in line with the research activities to be carried out within the scope of the project.

The grant holder may undertake travel to conferences/research visits in Italy or abroad related to the research programme.

On the suggestion of the supervisor, the grant holder may be given limited subsidiary or supplementary teaching assignments in academic courses; said assignments may not, however, compromise the research activities and may not exceed a maximum of 50 hours in each academic year. This teaching collaboration is not compulsory, must not have any effect on the University of Naples Federico II's budget, and will not lead to any entitlement to a permanent position at an Italian university.

At the end of the grant period, the grant holder will present a detailed final report on the activities carried out for evaluation by the assessment committee established pursuant to Article 5, paragraph 1 of Law no. 370 of 19 October 1999.

The award of a research grant does not constitute an employment relationship in any manner and will not give rise to any right of access to a permanent post at the University.

ARTICLE 9

Non-Accumulation; Incompatibility; Leave and Interruptions

The grant may not be held at the same time as any other study grant of any kind, except for those awarded by national or international institutions that supplement the research activities of the grant holder through a period spent abroad. The grant is personal. On pain of cancellation, beneficiaries may not combine it with income from professional activities or work performed on a full-time basis, except as set forth in Article 6, paragraph 4 of the Regulations Governing the Award of Grants for Research Activities. Simultaneous enrolment on degree courses, specialized or master's degrees, PhD courses with access to grants, or medical specializations, in Italy and abroad, are not compatible with access to the grants.

Grants may be provided to personnel working in the Public Administration, provided that they are placed on unpaid leave for the duration of the grant.

The research activities will be suspended during obligatory leave for duly established maternity and sickness, provided that the entire period of the grant cannot be reduced due to the above-mentioned suspensions. A total justified leave of absence of less than thirty days in any one year will not be considered to be a suspension, and therefore will not have to be recovered.

ARTICLE 10

Automatic Termination of the Contract

In addition to the cases identified in Articles 8 and 9 of this notice, the contract will be automatically terminated with regard to persons who interrupt their activities without good cause or who are liable for serious breaches, where said termination is proposed by the Head of Research and approved by the department's Steering Committee.

ARTICLE 11

Payments; Tax and Social Security Treatment

The grant will be paid net of charges due by the grant holder in equal monthly instalments paid in arrears, except in the event of interruptions to the activities.

On tax matters, the provisions of Article 4 of Law no. 476 of 13 August 1984 will apply to this notice. As regards social security, Article 2, paragraph 26 et seq. of Law no. 335 of 8 August 1995, as amended, will apply. With regard to compulsory maternity leave, the provisions of Ministry of Labour and Social Welfare Decree dated 12 July 2007, as published in Official Journal no. 247 of 23 October 2007, will apply. For sick leave, Article 1, paragraph 788 of Law no. 296 of 27 December 2006, as amended, will apply. During compulsory maternity leave, the allowance paid by INPS (the Italian National Social Security Institute) pursuant to Article 5 of the above-mentioned decree of 12 July 2007 will be supplemented by the University up to the total amount of the grant.

The University will provide the grant holder with insurance coverage against accidents and third-party liability in the context of the performance of his or her research activities.

ARTICLE 12
Reference

With regard to any matters that are not covered in this notice, reference will be made to the University of Naples Federico II's current Regulations Governing the Award of Grants for Research Activities as issued by DR/2019/1510 of 23 April 2019.

Naples, 06/08/2021

Signed by the Director

Prof. Giorgio Ventre

Annex B

To the Director of the Engineering Department
electrical and information technology
University of Naples Federico II

APPLICATION FOR PARTICIPATION

I, the undersigned (surname name) _____,
born in (city/town, province, country) _____,
date of birth (dd/mm/yyyy) _____,
resident in (city/town, province, country) _____,
address, post code _____,
home phone _____
mobile _____
e-mail _____
address (Complete only if you wish the correspondence to be sent to an address different form your residence address)

ZIP code _____

HEREBY ASKS

to take part to the public selection procedure, based on qualifications and interview, for the award of n. 2 research grants pursuant to Article 22 of Law 240/10 with identification number Ref. DIETI ASS.RIC.: 10/2021... (specify 1 or 2) at the Department of Electrical Engineering and Information Technologies, Via Claudio 21, 80125 Naples,

Research program: _____

THEREFORE

- 1) being aware that the statements below are statements of truth (declarations in lieu of certification and notarial deed) pursuant to articles 46 and 47 of the D.P.R. no. 445/2000;
- 2) being aware of the penal consequences of making untruthful declarations or producing or using false deeds under art. 76 of Italian Presidential Decree no. 445 dated 28 December 2000, and the additional sanction under art. 75 of the above-mentioned Presidential Decree no. 445 dated 28/12/2000, consisting of forfeiture of any benefits resulting from provisions issued on he basis of untruthful declarations,

I HEREBY DECLARE THAT

A) I am a citizen of (please state country of nationality) _____;

B) I am not employed (employment contract) by an Italian university or other Italian bodies listed in art. 22, paragraph 1, of Law no. 240/2010: Universities, public bodies and institutes for research and experimentation, the "Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo Economico Sostenibile" (ENEA), the "Agenzia Spaziale Italiana" (ASI), and the institutes whose scientific specialisation diploma has been considered equivalent to a PhD pursuant to art.74, fourth paragraph of D.P.R. no. 382, issued on 11 July 1980; or, in case I am employed (employment contract) by an Italian university or other Italian bodies listed in art. 22, paragraph 1, of Law no. 240/2010 and therefore, should I be awarded the fellowship, I will resign from my current position;

C) I am not related by marriage, kinship or affinity, up to the fourth degree of kinship included, or same-sex registered partnership (as per art. 1 of Law No. 76 of 20.05.2016), or cohabiting as couple (as per art. 1, paragraphs 37 et seq. of Law No. 76 of 20.05.2016) to the Rector, the Director-General, or a Member of the Board of Governors of the University of Naples Federico II.

D) I will immediately inform if any contact information (address, phone, email,...) will change.

E) account to be used for the connection (Skype name): _____;

associated e-mail address: _____;

also undertakes to follow the instructions given in art. 7 of the call for applications.

I ENCLOSE THE FOLLOWING DOCUMENTS:

- 1) CV regarding scientific and professional activities;
- 2) a presentation letter describing the motivations behind the choice of applying to the competition, with explicit indication of past activities close to the ones required by the open positions;
- 3) list of degrees and grade transcript;
- 4) a copy of a valid identity document.

BESIDES, I ENCLOSE THE FOLLOWING DOCUMENTS (PUT A TICK FOR THE ATTACHED ONES):

- 1) A project proposal for the position (max 2 pages, A4 format). Proposals can include a research statement, a short plan related to the position, a plan for publications and research risk management.
- 2) Proof of English proficiency, such as an English certificate (TOEFL or similar).
- 3) Up to three relevant publications in the related scientific fields.
- 4) Up to three reference letters

I HEREBY DECLARE THAT

that the information provided above and in the cv supplied with this application is true; that I know and expressly accept the date of the interview is indicated in the call for applications (and in any errata corripge published later on the Department of Electrical Engineering and Information Tecnology's web site); that I have been informed, pursuant to and in accordance with Legislative Decree no. 196 issued on 30 June 2003, that personal information obtained on me will be used, also through computer processing, exclusively for the purposes of the procedure for which this declaration is presented.

(Date)

(Signature)

Annex C

To the Director of the Engineering Department
electrical and information technology
University of Naples Federico II

SELF-DECLARATION CERTIFYING THE TRUTH AND ACCURACY OF ALL INFORMATION PROVIDED

I, the undersigned _____

born _____ in _____ (province _____),

resident in _____ street _____,

phone . _____

to take part to the public selection procedure, based on qualifications and interview, for the award of n. 2 research grants pursuant to Article 22 of Law 240/10 with identification number Ref. DIETI ASS.RIC.: 10/2021... (specify 1 or 2) at the Department of Electrical Engineering and Information Technologies, Via Claudio 21, 80125 Naples,

Research program: _____

aware of the criminal sanctions provided for in Article 76 of the D.P.R. 445 of 28 December 2000 for the case of false or misleading declarations,

HERBY DECLARE:

TO BE IN POSSESSION OF THE FOLLOWING TITLES _____

(Date)

(Signature)

Information pursuant to Legislative Decree 196/03: the personal data provided will be used by the university administration only for institutional purposes and for the completion of the insolvency procedure and, in particular, the interested party has the rights referred to in Article 7 of the aforementioned legislative decree. WARNINGS: The declarant is criminally liable in the event of a false declaration (Article 76, Presidential Decree 28 December 2000, n. 445) The declarant forfeits any benefits achieved by the provision issued on the basis of the non-declaration truthful (Article 75, Presidential Decree 28 December 2000, n. 445).

Annex D

To the Director of the Engineering Department
electrical and information technology
University of Naples Federico II

SUBSTITUTIVE DECLARATION OF THE DEED OF NOTORIETY

I, the undersigned _____

born _____ in _____ (province _____),

resident in _____ street _____,

phone . _____

to take part to the public selection procedure, based on qualifications and interview, for the award of n. 2 research grants pursuant to Article 22 of Law 240/10 with identification number Ref. DIETI ASS.RIC.: 10/2021... (specify 1 or 2) at the Department of Electrical Engineering and Information Technologies, Via Claudio 21, 80125 Naples,

Research program: _____

aware of the criminal sanctions provided for in Article 76 of the D.P.R. 445 of 28 December 2000 for the case of false or misleading declarations,

HERBY DECLARE:

COPIES OF THE DOCUMENTS LISTED BELOW, ATTACHED TO THIS APPLICATION, ARE IN CONFORMITY WITH THE ORIGINALS

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____

(Date)

(Signature)

Information pursuant to Legislative Decree 196/03: the personal data provided will be used by the university administration only for institutional purposes and for the completion of the insolvency procedure and, in particular, the interested party has the rights referred to in Article 7 of the aforementioned legislative decree. WARNINGS: The declarant is criminally liable in the event of a false declaration (Article 76, Presidential Decree 28 December 2000, n. 445) The declarant forfeits any benefits achieved by the provision issued on the basis of the non-declaration truthful (Article 75, Presidential Decree 28 December 2000, n. 445).

ATTACHMENT A) NOTICE OF COMPETITION FOR N.2 RESEARCH GRANTS - RIF. D.I.E.T.I. ASS.Ric. 10/2021, D.D.n. 333/2021 - DR 2019/1510 of 23.04.2019.

COMPETITION ID NUMBER	Research headquarters	TITLE OF THE RESEARCH PROGRAM	DESCRIPTION OF THE RESEARCH GRANT PROGRAM	S.S.D.	Disciplinary area	RESPONSIBLE FOR RESEARCH ACTIVITIES	FINANCIAL ORGANISATION	DURATION IN YEARS (1 year =1500 hours)	Gross annual amount net of charges to be paid by the University	Gross annual amount including the charges to be borne by the University and the provision for maternity for n. 1 grant	Date, location and time Publication of the Evaluation of the qualifications	Date of seat and time Test interview
DIET/ASS.Ric.10/2021_1	Department of Electrical Engineering and Information Technology	Haptic control for remote teleoperation of cooperative aerial manipulators	Inspection operations may use several platforms to cooperatively accomplish a task. These platforms are required to be maneuvered simultaneously by a remote operator. The objectives are listed in the following. (i) Develop a control framework for single user to multi-aerial manipulator mission control. (ii) Assess the effect of time delays on multi-robot collaboration physically interacting with each other and the environment. (iii) Develop telemanipulation control strategies using multi-modal user information for distributed system coordination by a remote user.	ING-INF/04	Systems and control engineering	Prof. Vincenzo Lippiello	Progetto AEROTRAIN - "Aerial RObotic TRAINing for the next generation of European infrastructure and asset maintenance technologies" MARIE_CURIE Programme for Research and Innovation 2014_2020. CUP:E55F21000590006.	3	€ 38.455,20	€ 51.166,56	14.09.2021 at 18.00 (Italian time) WEBSITE D.I.E.T.I.	16.09.2021 at 09.00 (Italian time) TELEMATIC MODE
DIET/ASS.Ric.10/2021_2	Department of Electrical Engineering and Information Technology	Stabilization and control of aerial manipulators in contact with the environment for on-site measurements	From a theoretical point of view, stability theorems exhibit only local validity and estimators of external disturbances may not be enough standalone, while they must be tailored on the design of the aerial manipulator itself. A fast reaction to unexpected situations should be guaranteed for reliable measurements. The main objectives are (i) the design and control an aerial manipulator for interaction with the environment for on-site measurements; (ii) the study of aerodynamic hurdles caused by the proximity of the floating platform with the surrounding environment, preventing even simple perching operations; (iii) the development of estimators of unmodelled aerodynamic effects and external disturbances and test them in real life experiments.	ING-INF/04	Systems and control engineering	Dr. Eng. Fabio Ruggiero	Progetto AEROTRAIN - "Aerial RObotic TRAINing for the next generation of European infrastructure and asset maintenance technologies" MARIE_CURIE Programme for Research and Innovation 2014_2020. CUP:E55F21000590006.	3	€ 38.455,20	€ 51.166,56	14.09.2021 at 18.00 (Italian time) WEBSITE D.I.E.T.I.	16.09.2021 at 09.00 (Italian time) TELEMATIC MODE