

PhD program in Electronics, Telecommunications and Information Technologies Engineering

Kick-off meeting 39th cycle

Aldo ROMANI

December 6th 2023

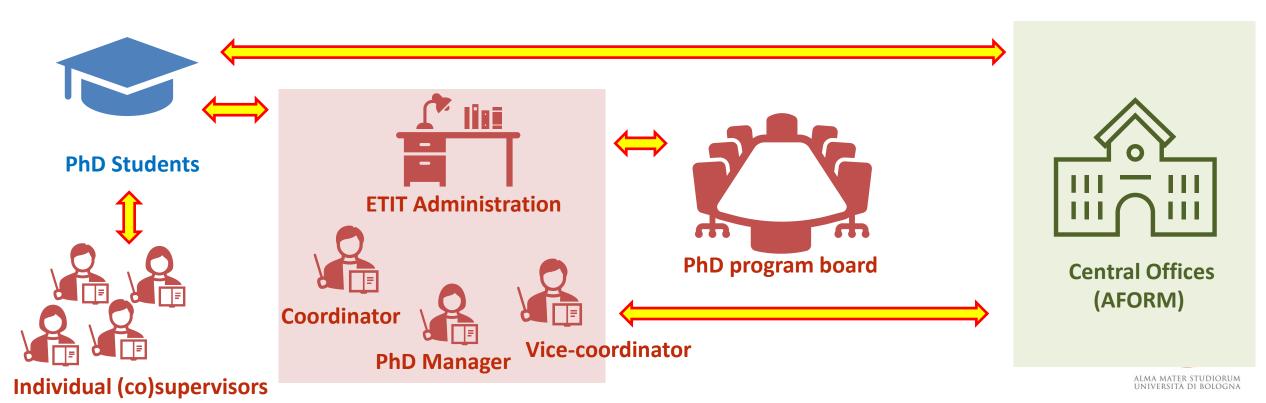
Outline

- Introduction to ETIT PhD program
- The 39th cycle: novelties, types of PhD positions and obligations,
- How to manage your PhD career



The ETIT PhD Program

- Research areas: Electronics, Telecommunications, Electromagnetic Fields, Systems for Information Procesing
- Some numbers: 81 currently enrolled PhD Students (17 on 39th cycle, 29 on 38th cycle, 22 on 37th cycle, 13 on 36th cycle), 24 professors in the PhD program Board, 1 Coordinator, 1 Vicecoordinator 1 department Administrative Staff
- And yes, we have a website: http://phd.unibo.it/etit (when you have question firrst check here)



ETIT Administration and Staff

The PhD Administration welcomes you



Prof. Aldo Romani Coordinator



Dott.ssa Francesca Lazzaretti ETIT PhD Manager



Prof. Davide Dardari Vice-Coordinator



ETIT Administration and Staff



Prof. Aldo Romani

Coordinator



Dott.ssa Francesca Lazzaretti ETIT PhD Manager



= dei-phd-etit@unibo.it

Prof. Davide Dardari

Vice-Coordinator



IMPORTANT: Please always send all your questions and messages related to your PhD to dei-phd-etit@unibo.it
All the above people will all receive your message and this ensures the fastest response time.



Please don't send mail individually to the above people: this will introduce delays because of internal forwarding.

ALMA MATER STUDIORUM

ETIT Communications

Please activate and start checking your @unibo.it email address (in addition to @studio.unibo.it)

Official mailing lists from central offices and from ETIT are sent to the @unibo.it email address. If you don't check it you will miss relevant information



ETIT: local and national laws and regulations

All the rights and obligations of PhD students, and the description of all the PhD career steps are regulated by the following documents

- MUR Decreto Ministeriale n. 226 del 14/12/2021
- UNIBO <u>Regolamento per l'Istituzione e il Funzionamento dei Corsi di Dottorato</u> (emanato con Decreto Rettorale n. 1468/2016 del 05/12/2016 e ss.mm.ii.)
- Decisions of the PhD board, usually published on ETIT website

Please take some time to download and to read the above documents, which contain all the information about your career, your rights and your obligations.

When you send us a question, we retrieve the answer in those documents.



ETIT: main features

An ETIT Phd Student

- Must attend and pass exams for at least 60 hours of the <u>ad-hoc PhD courses</u> organized by the PhD Board
- Must reach at least 180 credits of training activities before the end of 3rd year
- Must perform high-level and relevant scientific activity under the guidance of supervisors
- Should submit scientific papers to international conferences and journals
- Should pursue innovation, patents, etc.
- Should Improve his/her English writing skills for academic purposes
- Should perform a research period abroad, strongly recommended
- Should participate to ETIT activities



ETIT: main features

Duration: 36 months

Activities requires performing high-level research + traininng (internal and external)

After each academic year, all PhD students undergo an evaluation procedure by the PhD Board:

- 1st year: typically a report
- 2nd year: presentation to the PhD Board
- 3rd year: presentation to the PhD Board

At the end of 3rd year, you will required to write and defend a thesis.

At M36 and after:

- Thesis will be evaluated by external examiners, who will assign a score. If the score is not assigned they will postpone your defense for 6 months for improvements, and then there will be a 2nd re-evaluation, if score is negative again, you are out.
- Then you will defend your thesis in front of a committee of professors,

Note: admissions are not automatic, but must be earned 'on-field' with your research and with training activities

ETIT: the 39th cycle

NOTE: compulsory periods cannot be waived, scholarship will be canceled by the ministry if contraints are not satisfied - this is not managed by ETIT - it's up to you to comply

2 Calls for Applications for the 39th cycle Types of activated positions and obligations – Which is yours?

39th cycle	Ordinary positions – scholarship – free topic	Ordinary positions – scholarship – given topic	PNRR positions DM118 - generic	PNRR positions DM118 – public administration	PNRR positions CN+IR+PE	Research Grant (assegno di ricerca)
Start date	Nov 1st 2023	Nov 1st 2023	Nov 1st 2023	Nov 1st 2023	Nov 1st 2023	Nov 1st 2023
Period abroad	recommended	recommended	compulsory > 6 months	compulsory > 6 months	optional	optional
Period in industry / public administration	optional	optional	optional	compulsory > 6 months	optional	optional
Administrative Reporting	if PhD student participates to official research projects	if PhD student participates to official research topics	to be reported periodically to ministry — strong constraint	to be reported periodicailly to ministry – strong constraint	to be reported periodically to PNRR university administration	if PhD student participates to official research projects
!0% research funds	provided by supervisor	provided by external funding institution – contact department	provided by ministry – contact departiment	provided by ministry – contact department	provided by ministry – contact department	provided by supervisor
Confidentiality and publications	Bound to confidentiality and publication rules of the project you participate in, if any – check with supervisor Acknowledge may be required.	Bound to confidentiality and publication rules of the funding project – check with supervisor. Acknowledgement may be required	publications should report acknowledgement to Ministry	Bound to confidentiality agreements with the funding company. Acknowledegment to Ministry may be required	Acknowledgement to Ministry may be required TBD	Bound to confidentiality and publication rules of the funding project – check with supervisor. Acknowledgement may be required

ETIT: PNRR positions on DM118/2023

You will be requested to periodically report administrative and technical information. This is compulsory. Pay particular attention to this type of requests.

You will need to spend periods abroad and in companies as detailed below

IMPORTANT: Before starting any period in companies or abroad you have to complete all the paperwork, obtain authorization from the PhD Board, and send your request to the PhD board at least 1.5-2 months before starting: this is compulsory, we must to upload monthly all this information on the ministry web portal, failing to do so may invalidate your period outside.

Inform ETIT Administration as soon as you have planned/decided about the periods

Not loading in the required timeframe the requests on the ministrt portlal will invalidate the periods. Not doing the requested periods may invalidate your scholarship funded by PNRR.

If you have doubts, ask your supervisor and to ETIT Administration staff



ETIT: ordinary positions

For ordinary positions

- period abroad is not compulsory but is strongly recommended by the PhD Board.
- period in company is fully optional

Reporting may be requested periodically by Department or by Interdepartmental Centers if you participate actively to official research projets (e.g. timesheets, technical deliverables, etc.). Not delivering this impacts on project and its funding, and not necessarily on your PhD career. But please comply.



ETIT: PNRR positions on CN+PE

Start date November 1st 2023

Each position has a given research topic

Periodic reporting is supposed to be compulsory, Ministry is monitoring all the spent resources. University PNRR teams and departments are in charge of reporting: please do comply in time with all the requests





The ministry decree DM226/2021 reforms the PhD programs and sets several additional constraints.

Among the novelties, the training/educational activities play a more important role: PhD students are not only researcher, but researchers in training.

<u>Training is now as important as research. ETIT official activities are priority.</u>



Before the end of month M36, you need to have already <u>completed and registered at least 180 credits of training activities</u>. Since admission procedures start earlier, please make sure you have all credits until M33



ETIT is offering yearly at least 32 hours of dedicated courses (aka 'internal course' or 'ETIT course') by its professors. You can select among multiple courses based also on when courses are delivered (be careful: period abroad or in company may prevent you from attending, so please organize yourself: you are responsible for yourself not us).

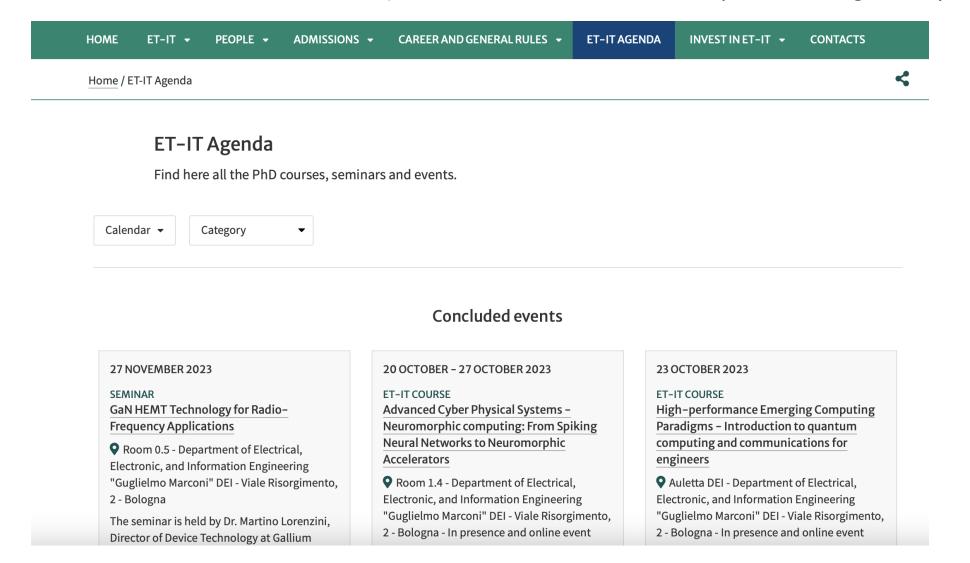
1 hour = 1 credit

Before the end of month M36 (M33) you must complete and register at least 60 hours of this type of training activities.

ETIT courses are delivered in presence in the rwo sites of the DEI department. Attendance is satisfied if you attend for >2/3 of the hours, then you can access the exam. You may request credits only for the attended hours. Remote attendance can be granted under exceptional circumstances (to be assessed by Coordinator and PhD board).

Please note that although some courses are split in two modules, they count as a single course. Every course usually 8 hours. Attending and passing only one half does not entitle you to request credits.

The calendar of ETIT courses is published on the website (see ETIT Agenda)





The other credits may be acquired at your choice (and your supervisor's) among:

- Seminars delivered by ETIT professors not included in the ETIT Internal Courses
- Courses and seminars officially proposed by the PhD Board, like Bibliographic Management, Third Mission, English for Academics, etc.
- External PhD courses at other universities or international PhD Schools
- Master degree courses, if on-topic and not previously addressed.
- Online self-taught courses

1 hour = 1 credit

Periods abroad and in industry grant credit in the measure of 10 credit/month, with a maximum limit of 60



ETIT – Managing your career from 38th cycle – Training – Constraints

Credits can be gained by attending:

- ET-IT courses and seminars;
- Master's Degree activities;
- University courses;
- in-person PhD courses, schools, workshops, and seminars;
- Academic English Skills (AcES) courses, specifically addressed to Phd Students by the University Language Centre (CLA).

Also attending the following activities entitles PhD Students to a certain amount of credits as detailed belows.

- Language courses differents from AcES: 1 course > max. 30 credits, 2 courses > max.40 credits;
- Online courses (i.e. Coursera): max. 20 credits;
- Internship abroad: 10 credits / month > max. 60 credits;
- online and hybrid PhD courses, schools, workshops, and seminars: max. 20 credits per a.y.

You will generally need a certificate of attendance and of passing an exam.



ETIT – Managing your career for 38th and later cycles – Training

Please note that ETIT recognizes credits only for teaching activities that: (1) include a certified final exam/test; (2) certify presence and number of attended hours.

If any of this information is missing, by default the training activity cannot be recognized.

So, please check in advance the characteristics of a training activity before selecting/attending it.

Type of activity	Details	Certification of attendance	Certification of passing the exams	Supervisor Approval	Previous authorization
ETIT Internal Course	Compulsory > 60h over the 3 years	managed internally	managed internally	not required	not required – but notify enrollment to ETIT Adm
ETIT Seminar	At your choice	managed internally	managed internally	not required	not required – but notify enrollment to ETIT Adm
Master degree courses	At your choice	required (issued by teacher)	required (issued by teacher)	required	Required (state why it is needed and that you have never approached the contents)
Activities offiicially proposed by the PhD board	At your choice	required	when available	not required	not required
External courses (PhD schools, etc.)	At your choice	Yes (issued by organizers)	Required (issued by organizers)	required	not required ALMA MATER STUDIORUM HINVERSTA DI ROLOGNA

ETIT – Managing your career – Suspensions – Extensions

In case of very strong motivations (e.g. relevant illness, parental leave, etc.) every PhD can request a suspension of the career.

In case you will be in these situations please contact ETIT administration to organize at best the management of your career.

Starting from 38th cycle, careers can be extender under certain circumstances. If you will need an extension to finish your thesis, please contact ETIT administration to check eligibility



ETIT – Periods Abroad

Before starting a period abroad, you must obtain authorization from the PhD Board. This is done by presenting a request in advance.

NOTE: this is necessary and must be done 1.5-2 months before the departure for PNRR positions on DM118

You may use this authorization to obtain additional funding for the stay abroad, which are not managed by ETIT, for example:

- 50% increase, which is applicable for all PhD students starting from 38th cycle (managed by central offices). If you have a scholarship, you will obtain the extra funding there, if you have a different contract, you should get in touch with department administration to manage the funding as a reimbursement
- Marco Polo grants from the Department
- Etc.

If you have a scholarship funded externally, the amount for periods abroad is paid by the external institutions and funds are generally already available.

If you have a scholarship funded by UNIBO, the extra amount is guaranteed by your supervisors with their research funds

ETIT – 10% research funds

Each PhD student is entitled to use the so called 10% research funding (DM226/2021)

In our department this can be spent for activities directly related to the PhD students, this includes travels, courses, etc. Normally not purchase of components, equipments, etc.

If you have a scholarship funded externally, the amount for periods abroad is paid by the external institutions and funds are generally already available.

If you have a scholarship funded by UNIBO, the extra amount is guaranteed by your supervisors with their research funds (i.e. every time your supervisor pays you a travel for a conference, you are already using your 10% funds)



ETIT – Types of Administrative Requests – Request for period abroad or outside

When you plan to spend a period abroad or outside the university for your PhD, you must request authorization to the PhD Board.

You will need:

- A filled form
- Invitation letter
- Authorization from your supervisor

Currently, this type of requests is managed automatically online (EXPERIMENTAL) as it will be detailed later



ETIT – Types of Administrative Requests – Request for external compatible activities

According to DM226/2021, the PhD is a full-time equivalent activity.

For this reason any external paid commitment must be evaluated by the PhD board before you sign contracts or execute activity. This is compulsory.

This holds for external consultants, external paid actiities, including Contracts and Tutorships issued by UNIBO.

Activities must be in line with the PhD program and must not interfer with your research plan

This activity is managed online (EXPERIMENTAL). You will need:

- A filled form with details of activity
- Authorization of your supervisor



ETIT – Types of Administrative Requests – Request of credit recognition

This is the most frequent request. Every time you complete a training activity you must generally issue a request, with some exceptions for activities organized within ETIT.

You will need:

- A filled form
- Certificate or evidence of attended hours (unless the activity is organized by ETIT)
- Certificate or evidence of passing an exam (unless the activity is organized by ETIT or is included in the list of recommened activities)
- Supervisor approval
- To upload program/agenda to allow to evaluate the activity

This type of requests is managed automaticall (EXPERIMENTAL)



ETIT – Types of Administrative Requests – Request of attending a master degree course

You may attend a Master degree course under specific conditions

- It is functional to your PhD project
- You have never approached its contents in previous university career.

You will need:

- A filled form
- Supervisor approval, who certificates also you have never approached the contents previously

This type of requests is managed manually, i.e. paper forms to be sent by email



ETIT – Types of Administrative Requests – Request for credits for periods abroad or in industry

You may request credits when you complete a research period outside university (10 credits/month(

You will need:

- A filled form
- A letter/statement from the hosting institution with the actual dates of stay

This type of requests is managed manually, i.e. paper forms sent by email.



Given the very high number of requests from PhD students in all phases of their careers, we will start experimenting an automated flow for presenting your requests. This will save time both for you and for ETIT Administration.

There are currently three types of supported requests online:

- 1) Requests of credit recognition
- 2) Requests of external compatible activity
- 3) Requests of research period abroad or outside university

All other requests will be served manually



For manual requests, here are the instructions

 Read carefully the instructions on ETIT Website, in the tab "career and general rules" and follow them strictly (i.e. do not forget attachments for optimal use of your and our time)

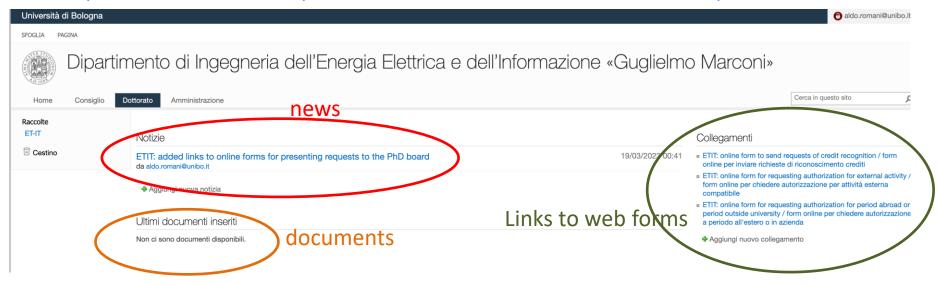


- 2) Send *ALL* the required documentation to dei-phd-etit@unibo.it
- 3) Wait for feedback



For automated requests, here are the instructions

 Start from the Intranet space(SVC: Virtual Collaboration Space) of the DEI department: https://svc.unibo.it/dipartimenti/DEI/Dottorato/default.aspx

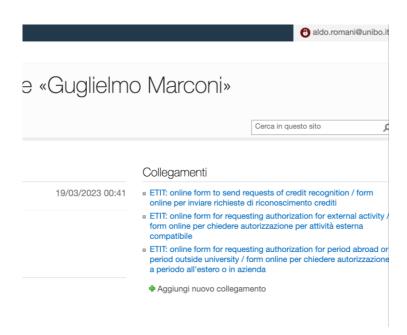


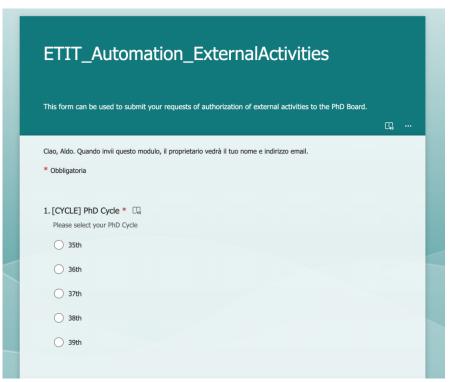
Here you will find informations, documents and links to web forms for your requests. Check also ETIT website (always do that!) for forms and instructions





- 2) Read carefully news and documents and also read the corresponding section on ETIT website
- 3) Follow the required link, this will open a Microsoft Form web page, that you must access with @unibo.it credentials (NOTE: not @studio.unibo.it credentials)





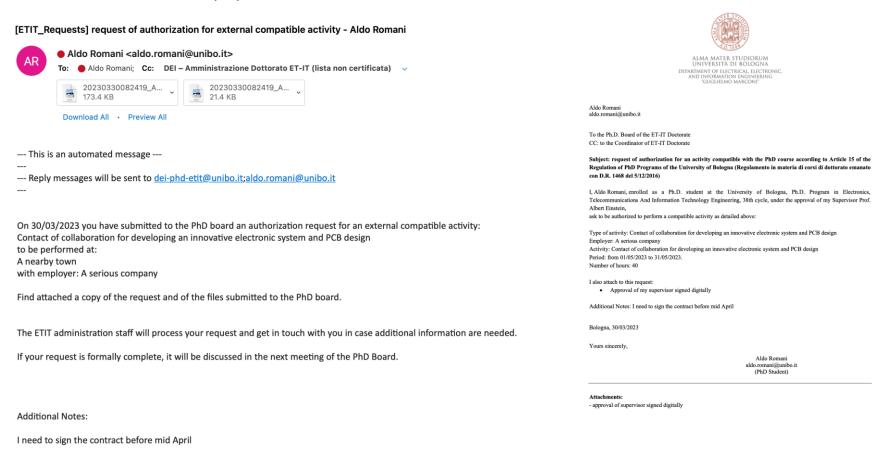
4) Fill all the required information. Be careful

there are not syntax checks. The form cannot be submitted without entering all required information



5) Wait for an automated confirmation email (sender is the coordinator account with Office 365) and check the submitted request contents and attachments.

If you don't receive this in few minutes, something may have gone wrong and there is no guarantee the request was handled correctly: please contact ETIT Administration



6) Wait for a reply from the ETIT Administration that confirm whether the request is complete or not. If you don't receive this confirmation in few days something may have gone wrong and you should get in touch with ETIT administration.

ETIT_R	Aldo Romani <aldo.roma< th=""><th>ation for external compatible ni@unibo.it> - Amministrazione Dottorato ET-I</th><th>UNIVERSITÀ DI BOLOGN Department of electrical. Elec</th><th colspan="2">ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA DEPARTMIN O ELECTRICAL ELCTRONIC. AND INFORMATION ENGINEERING "GUGLIELMO MARCONI"</th></aldo.roma<>	ation for external compatible ni@unibo.it> - Amministrazione Dottorato ET-I	UNIVERSITÀ DI BOLOGN Department of electrical. Elec	ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA DEPARTMIN O ELECTRICAL ELCTRONIC. AND INFORMATION ENGINEERING "GUGLIELMO MARCONI"		
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	Download All • Preview All			To the Ph.D. Board of the ET-IT Doctorate CC: to the Coordinator of ET-IT Doctorate		
This is	an automated message			Subject: request of authorization for an activity compatible with the Regulation of PhD Programs of the University of Bologna (Regolamer con D.R. 1468 del 5/12/2016)		
 Reply 	messages will be sent to dei-pl	nd-etit@unibo.it;aldo.romani@		,		
Contact	·	the PhD board an authorization an innovative electronic system	request for an external compatible activity: and PCB design	Type of activity: Contact of collaboration for developing an innovative ele Employer: A serious company Activity: Contact of collaboration for developing an innovative electronic Period: from 01/08/2023 to 31/05/2023. Number of hours: 40		
A nearby			I also attach to this request: • Approval of my supervisor signed digitally			
Find atta	ched a copy of the request and	of the files submitted to the Ph	ID board	Additional Notes: I need to sign the contract before mid April		
Tina acc	ened a copy of the request and	of the med submitted to the Fr	,	Bologna, 30/03/2023		
	·	ss your request and get in touch	aldo.ro	do Romani mani@unibo.it D Student)		
ii youi ii	equest is formally complete, it is	will be discussed in the next me	cango and the board.	Attachments: - approval of supervisor signed digitally		



Additional Notes:

7) After some days (we commit to satisfy requests within 5 working days from submission, but it's a best effort, not an obligation) you will receive the requested authorization signed digitally by the Coordinator, according to the type of request



Oggetto: autorizzazione allo svolgimento di attività compatibile con la frequenza del dottorato, ai sensi dell'art. 15 del Regolamento per l'istituzione e il funzionamento dei corsi di dottorato.

IL COORDINATORE

VISTO il Regolamento per l'istituzione e il funzionamento dei corsi di dottorato, emanato con D.R.

n° 1468 del 05/12/2016;

VISTO che l'art. 4 c. 10 lett. g. del suddetto Regolamento prevede, tra le materie oggetto di delibera

da parte del Collegio dei docenti del corso di dottorato, l'autorizzazione allo svolgimento di attività compatibili con il corso di dottorato;

attività compatibili con il corso di dottor

CONSIDERATO che, nella seduta del 06/12/2022, il Collegio dei docenti del corso di dottorato in Ingegneria Elettronica, Telecomunicazioni e Tecnologie dell'Informazione ha conferito al Coordinatore

Prof. Aldo Romani delega formale per il rilascio di autorizzazioni preventive allo svolgimento

di attività compatibili con la frequenza del corso di dottorato;

VISTA la richiesta allegata, pervenuta da parte del dott./della dott.ssa Aldo Romani, iscritto/a al 38°

ciclo del corso di dottorato in Ingegneria Elettronica, Telecomunicazioni e Tecnologie dell'Informazione, relativa all'autorizzazione allo svolgimento di attività compatibili con la

frequenza del corso di dottorato;

PRESO ATTO del parere del prof./della prof.ssa Albert Einstein, supervisore del dottorando, attestante la

compatibilità dell'attività con il proficuo svolgimento delle attività formative previste nell'ambito del corso di dottorato:

AUTORIZZA

il dott./la dott.ssa Aldo Romani allo svolgimento dell'attività descritta in allegato (parte integrante della presente autorizzazione) per l'a.a.2022/2023.



NOTES:

This new system is experimental, there may be bugs or other issues.

Please be patient, and in case please report malfunctions to aldo:romani@unibo.it and please state the type of request and the date/time of submission so that I can check and debuh

After some beta-testing, the system will make interactions with ETIT Administration more efficient.

Important: for any issue, question related to your PhD, please feel free to always get in touch with ETIT Administration (i.e. Coordinator + ETIT Manager + Vice-Coordinator) by writing at dei-phd-etit@unibo.it

If you have troubles with onine form, as a backup, you will still find the PDF forms on ETIT Website and on department Intranet space SVC

