

PHD PROGRAM IN COMPUTER AND CONTROL ENGINEERING: WELCOME MEETING

FABRIZIO LAMBERTI

**DEPARTMENT OF CONTROL AND
COMPUTER ENGINEERING**

MARCH 6, 2024



39TH CYCLE STUDENTS (*)

ID	LAST NAME	FIRST NAME	CYCLE	SESSION	SUPERVISOR	CO-SUPERVISORS
331846	BARTOLOMUCCI	MICHELANGELO	39	2bis	Cantoro	Nardi
328796	BENFENATI	LUCA	39	2	Macii E.	Pagliari
331788	BOSCOLO	FEDERICO	39	2bis	Lamberti	Borodani
328934	CACCIABUE	DANIELE	39	2	Risso	Perroni
330051	CALZOLARI	STEFANO	39	1	Bottino	Strada
328667	CERRITO	FRANCESCO	39	2	Canale	Borodani
331828	CIRAVEGNA	FLAVIO	39	2	Lioy	Basile
331822	CORA	GIORGIO	39	2	Sterpone	Azimi
330141	D'ASARO	FEDERICO	39	1	Bottino	Rizzo
330183	DEPAOLI	FABIO	39	2	Macii E.	Di Cataldo
330121	D'ONGHIA	GRAZIA	39	2	Lioy	Montrucchio
331851	FERRO	LORENZO	39	2	Lioy	Basile
330226	GALLEGO GOMEZ	WALTER	39	2	Macii E.	Urgese
331824	GASCO	DIEGO	39	2	Casetti	Borodani
328665	GIARRUSSO	GABRIELE SALVATORE	39	2	Olmo	Gumiero/Della Torre/Piccolo
329025	GROPPO	SARA	39	2	Violante	Olmo
328966	GUAGNANO	MICHELE	39	2	Violante	Olmo
331872	HAMDI	MOHAMED AMINE	39	2	Pagliari	Macii E.
330502	HUANG	KAI	39	1	Mellia	Giordano
331830	KHOSHZABAN	REZA	39	2bis	Cantoro	Grosso
330763	MASI	GIULIA	39	2	Olmo	Ferraris
331940	MIOLA	DAVIDE	39	2	Risso	Mangiulli
330197	MONACO	DORIANA	39	1	Marchetto	Sacco
328718	MOTETTI	BEATRICE ALESSANDRA	39	2	Macii E.	Pagliari
330089	PAOLETTI	GIORDANO	39	1	Vassio	Mellia
330138	PAPICCHIO	SIMONE	39	1	Cagliero	Papotti
330669	PIGNATA	ANDREA	39	1	Macii E.	Urgese
330142	PIZZATO	FRANCESCO	39	1	Valenza	Sisto
330106	POETA	ELEONORA	39	2	Baralis	Cerquitelli/Pastor
328818	POLLO	GIOVANNI	39	2	Macii E.	Pagliari/Vinco
331815	PORSIA	ANTONIO	39	2	Sanchez	Ruospo
331834	RIPA	FRANCESCO	39	2bis	Regruto	Ceres
330477	ROSANI	MATTEO	39	2	Marchetto	Scanzio/Cena
330357	SCAFFIDI MILITONE	GABRIELE	39	2	Apiletti	Malnati
330554	SETTANNI	FRANCESCO	39	2	Lioy	Basile
330126	TURCO	VITTORIO	39	2	Sonza	Ruospo
330104	VALENTE	LORENZO	39	2	Lamberti	Pratticò

* Supervisors/co-supervisors as approved on **October 30, 2023** (sessions 1, 2 and 2bis).

39TH CYCLE STUDENTS (*)

ID	LAST NAME	FIRST NAME	CYCLE	SESSION	SUPERVISOR	SO-SUPERVISORS
333337	ROSSI	LUCA FRANCESCO	39	3	Sanna	Manuri, Donna Bianco*
333358	SCIBETTA	LUCA	39	3	De Russis	Monge
333357	MACALUSO	ROBERTA	39	3	Lamberti	Cannavò
333355	LAUDADIO	LORENZO	39	3	Torchiano	Coppola
333393	ESPOSITO	GIUSEPPE	39	3	Sonza	Rodriguez
333419	TILAHUN	NATNAEL	39	3	Cerquitelli	Morra, ...*

* Supervisors/co-supervisors as approved on **February 29, 2024** (session 3).

GOAL OF THE PHD PROGRAM

To train the students to become high-level researchers able to

- Fill research positions in academia and industry
- Effectively compete with PhD students from similar institutions

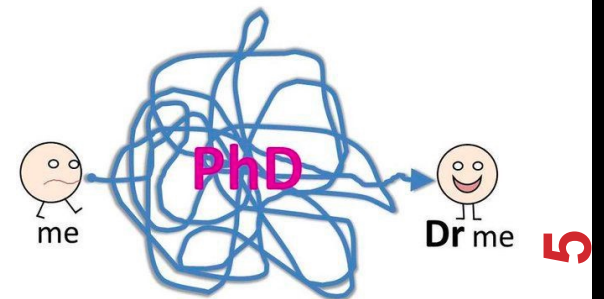
GOAL OF THE PHD PROGRAM

To train the students to become high-level researchers able to

- Fill research positions in academia and industry
- Effectively compete with PhD students from similar institutions

At the end of the path, a PhD student should be able to autonomously perform research. This means:

- Identifying promising research areas
- Devising, developing and evaluating innovative ideas and solutions
- Disseminating them in the worldwide research community (writing papers, presenting his/her work at conferences, etc.)
- Interacting with other researchers from industry or academia
- Attracting resources (i.e., preparing successful research projects)
- Tutoring new researchers (e.g., MSc students)
- ...



SCUDO

It is the body in charge of

- Managing all the PhD Programs of Politecnico di Torino (POLITO)
- Performing most of the related administrative work
- Defining POLITO specific rules

It is ruled by a Board (“Consiglio”) including

- The chairs of the Academic Boards of the different PhD Programs
- Student representatives

Chair

- Prof. E. Brusa

Web site

- <https://www.polito.it/en/education/phd-programmes-and-postgraduate-school>





Ph.D. programmes and Postgraduate School

Doctoral school

Ph.D. programmes

Admissions to
Ph.D. programmes

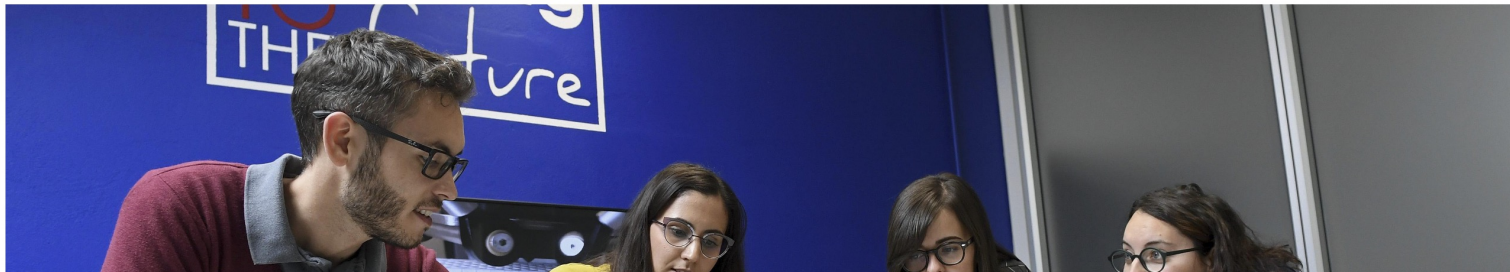
Ph.D. path

Ph.D. and
companies

News and calls

Home > Education > Ph.D. programmes and Postgraduate School

A Ph.D. as a career opportunity





Ph.D. programmes and Postgraduate School

Doctoral school

Ph.D. programmes

Admissions to
Ph.D. programmes

Ph.D. path

Ph.D. and
companies

News and calls

Home > Education > Ph.D. programmes and Postgraduate School > Doctoral school > **Regulations**

Regulations

Internal regulations

- [Regulation for Phd Program \(starting from 38th cycle\)](#)
- [Regulation for PhD Program \(until 37th cycle\)](#)
- [Survival Guide - before you start](#)
- [Procedure for requesting the evaluation of external courses](#)
- [Accounting system of PhD activities](#)
- [PhD activities indicator scheme](#)

Doctoral school



Welcome from the Director

Organisation

Regulations



Ph.D. programmes and Postgraduate School

Doctoral school

Ph.D. programmes

Admissions to
Ph.D. programmes

Ph.D. path

Ph.D. and
companies

News and calls

Home > Education > Ph.D. programmes and Postgraduate School > Doctoral school > **Regulations**

Regulations

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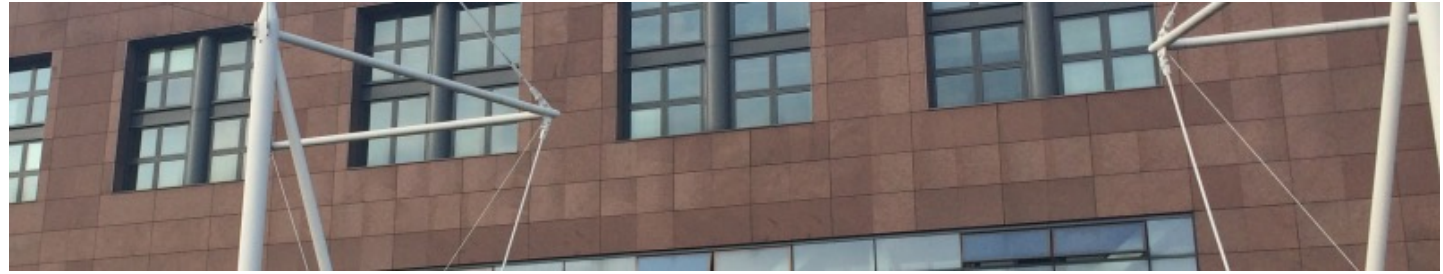
Doctoral school	×
Welcome from the Director	
Organisation	
Regulations	

National and internal regulations
regarding Ph.D. at POLITO

POLITO DEPARTMENTS

POLITO is organized in 11 Departments, managing both teaching and research:

- Department of Architecture and Design (DAD)
- Department of Control and Computer Engineering (DAUIN)
- Department of Electronics and Telecommunications (DET)
- Department of Environment, Land and Infrastructure Engineering (DIATI)
- Department of Management and Production Engineering (DIGEP)
- Department of Mechanical and Aerospace Engineering (DIMEAS)
- Department of Structural, Geotechnical and Building Engineering (DISEG)
- Department of Mathematical Sciences “G. L. Lagrange” (DISMA)
- Department of Energy “Galileo Ferraris” (DENERG)
- Interuniversity Department of Regional and Urban Studies and Planning (DIST)
- Department of Applied Science and Technology (DISAT)



Personnel

- More than 70 faculty members
- More than 20 staff members
- About 160 PhD students, post-doc and temporary members

DAUIN covers two major areas

- Computer engineering
- Control engineering

From an administrative point of view, DAUIN is split in “*groups*”

Director


- Prof. L. STERPONE

Website and Wiki (with admin procedures for DAUIN personnel)


- <http://www.dauin.polito.it/>
- <https://dauin-si.polito.it/webapps/mediawiki-1.32.0/index.php/Home>



DAUIN WIKI



Politecnico di Torino
Dipartimento di Automatica e Informatica



Log in

[Main page](#) [Discussion](#)

[Read](#) [View source](#) [View history](#)

[Home](#)

[In other languages](#)

[Italiano](#)

[English](#)

Home

- Consultare il Regolamento di Dipartimento
- Consultare i verbali delle sedute degli organi di governo dipartimentali
- Firmare digitalmente un documento
- Gestire un'emergenza

Contents [\[hide\]](#)

- 1 [Area amministrativa](#)
 - 1.1 [Ricerca](#)
 - 1.2 [Personale](#)
 - 1.3 [Contabilità](#)
- 2 [Area tecnica](#)
- 3 [Mailing list](#)

Area amministrativa

Ricerca

- Partecipare ad un bando finanziato
- Partecipare alle gare d'appalto
- Svolgere l'incarico di verificatore disposto dall'Autorità Giudiziaria
- Inviare una comunicazione tramite PEC del Dipartimento
- Adesione all'Ateneo (tramite il dipartimento) a soggetti terzi (consorzi, associazioni, fondazioni, ecc.)
- Collaborare con aziende/altra soggetti esterni

THE PHD PROGRAM IN COMPUTER AND CONTROL ENG.

It is strictly connected to DAUIN

It is managed by a PhD Academic Board (“Collegio dei Docenti”)

- 24 members and two student representatives (S. Pirrera; F. Ripa)
- Chair Prof. F. Lamberti, Vice-chair Prof. G. Marchetto

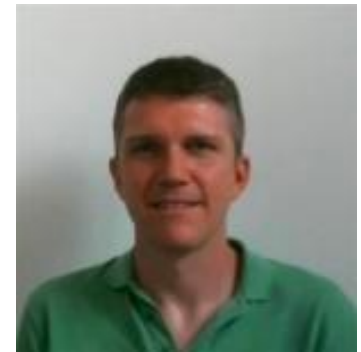
The PhD board, also through its Committees, is in charge of

- Defining specific rules for the program
- Defining research area(s) and formative offer (hard skills)
- Assigning Supervisors/Co-supervisors to students
- Evaluating their activities and deciding whether to admit them to the following year/final exam
- Facing critical situations

Administrative support by several DAUIN Staff members

Web site

- <https://www.polito.it/en/education/phd-programmes-and-postgraduate-school/phd-programmes/computer-and-control-engineering>



COMMITTEES

Quality Committee

Rationalization of procedures and instruments Committee

Awards and incentive guidelines Committee

Education Committee

Awards and honors Committee

Research Committee

Communication and events Committee

Data Committee

Regulation Working Group

Selection Committee

DAUIN PhD Day Working Group

Advisory board

THE PHD PROGRAM IN COMPUTER AND CONTROL ENG.



Politecnico
di Torino

keywords or people



INFORMATION FOR

POLITO

EDUCATION

RESEARCH

INNOVATION

SOCIAL IMPACT

Ph.D. programme in Computer and Control Engineering

Academic
Board

Career
opportunities

Study plan

Research
topics

Advisory
Board

Regulations

Students

Alumni

News

Home > Education > Ph.D. programmes and Postgraduate School > Ph.D. programmes > **Computer and Control Engineering**

Programme overview

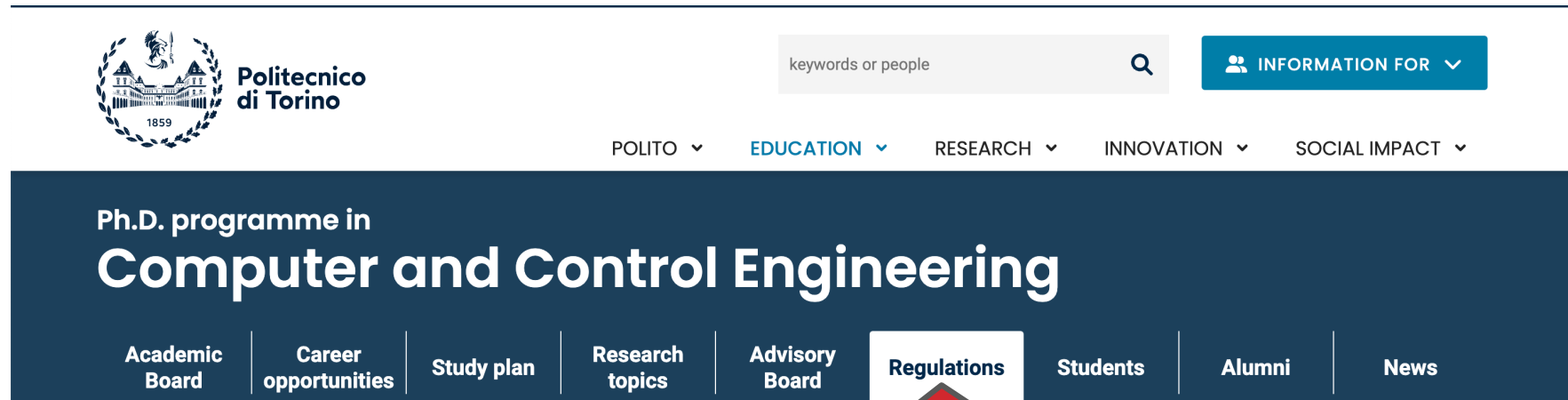
The Ph.D. programme in Computer and Control Engineering is offered by the [Department of Control and Computer Engineering](#), and it is part of the third-level offer of the Doctoral School of the Politecnico di Torino. It is a training path that leads to the achievement of the title of Doctor of Research (or Philosophy Doctor, Ph.D., according to Article 3, paragraph 1, of the Italian Constitution).



Key information

- **TYPE OF PROGRAMME:**
PhD programme
- **DEPARTMENT:**
[Department of Control and Computer Engineering](#)
- **COORDINATOR:**
[LAMBERTI FABRIZIO](#)

THE PHD PROGRAM IN COMPUTER AND CONTROL ENG.



The screenshot shows the Politecnico di Torino website. The header includes the university logo (founded 1859) and a search bar. The main navigation bar has links for POLITO, EDUCATION, RESEARCH, INNOVATION, and SOCIAL IMPACT. The main content area is titled "Ph.D. programme in Computer and Control Engineering" and features a horizontal menu with links: Academic Board, Career opportunities, Study plan, Research topics, Advisory Board, Regulations (highlighted), Students, Alumni, and News.

Home > Education > Ph.D. programmes and Postgraduate School > Ph.D. programmes > Computer and Control Engineering

Regulations

Regulations and other helpful material regarding the Ph.D. in Computer and Control Engineering

Documents for students and tutors/co-tutors

The PhD program in Computer and Control Engineering has adopted internal rules and policies that integrate the University regulations on specific aspects that are not defined at a centralized level and pertain, in particular, the participation in the Academic Board, its composition and organizational procedures, the annual evaluation of students, and the appointment of tutors/co-tutors. Rules and policies are reviewed and updated upon solicitation and after proper discussion in the

THE SUPERVISOR

“The Supervisor, assisted by one or more Co-supervisors, is responsible for: guiding and assisting the doctoral candidate in the **definition of his/her study plan**, also with the support of the **Declaration of Intent (Dol)**;

monitoring the **availability of sufficient funds and equipment** to carry out the research activity included in the **educational project proposed** to the doctoral candidate;

helping the doctoral candidate to **choose the external teaching activities and off-site activities**, verifying that they are in line with his/her educational project;

supervising the entire educational path, being the doctoral candidate’s focal point within the Academic Board and being responsible for the research activities and progress of the doctoral candidate as well as for his/her **compliance with the ethical principles** of the international scientific community and the Code of Ethical Conduct of the University;

providing a **report and an evaluation** to the Academic Board which constitute the basis for admitting the doctoral candidate to the following year of the programme or to oral defence;

Reporting in writing **any critical situations** to the Coordinator, including any unjustified absence of the doctoral candidate. The Coordinator must inform the Academic Board, which may decide on the forfeiture of the doctoral candidate even during the course of the year.

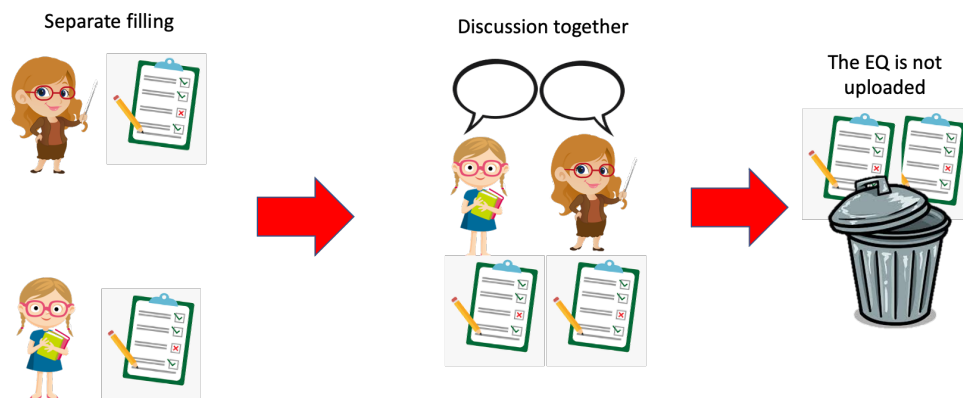
DECLARATION OF INTENT (DOI)

Document through which the Supervisor and the PhD student **share and agree** on the **principles** and **organization** of the activities

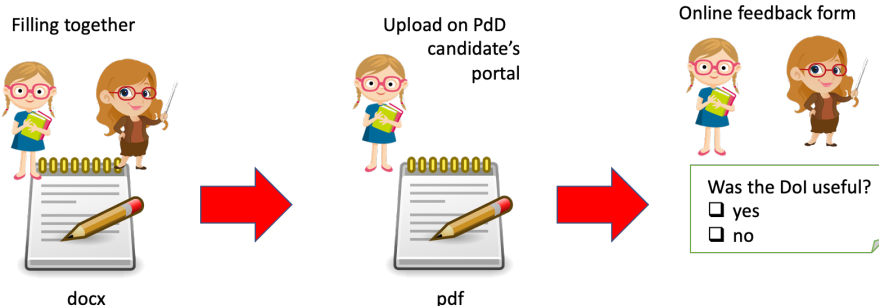
Expectation QUESTIONNAIRE

Read each of the statements below and then assess your position. For example with statement P1, if you believe very strongly that it is the supervisor's responsibility to select a good topic you should tick '1'. If you think it is solely the PhD candidate's responsibility to select a topic, tick '4'.

Phase 1: Expectation Questionnaire (EQ) discussion



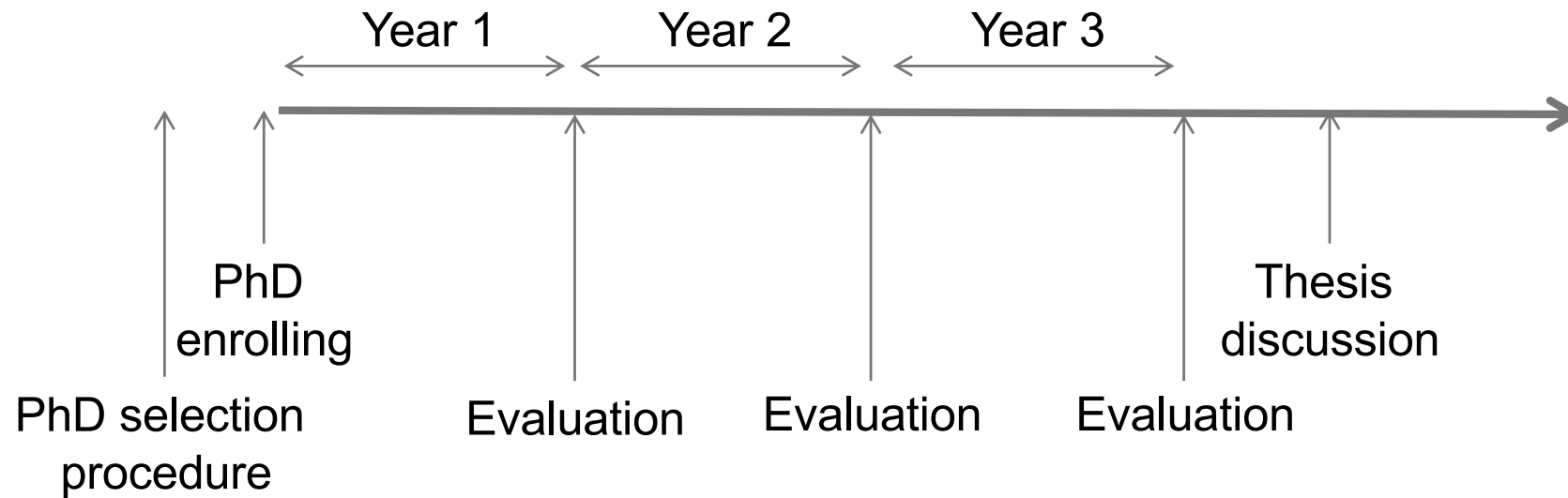
Phase 2: Declaration of Intent (DoI) filling



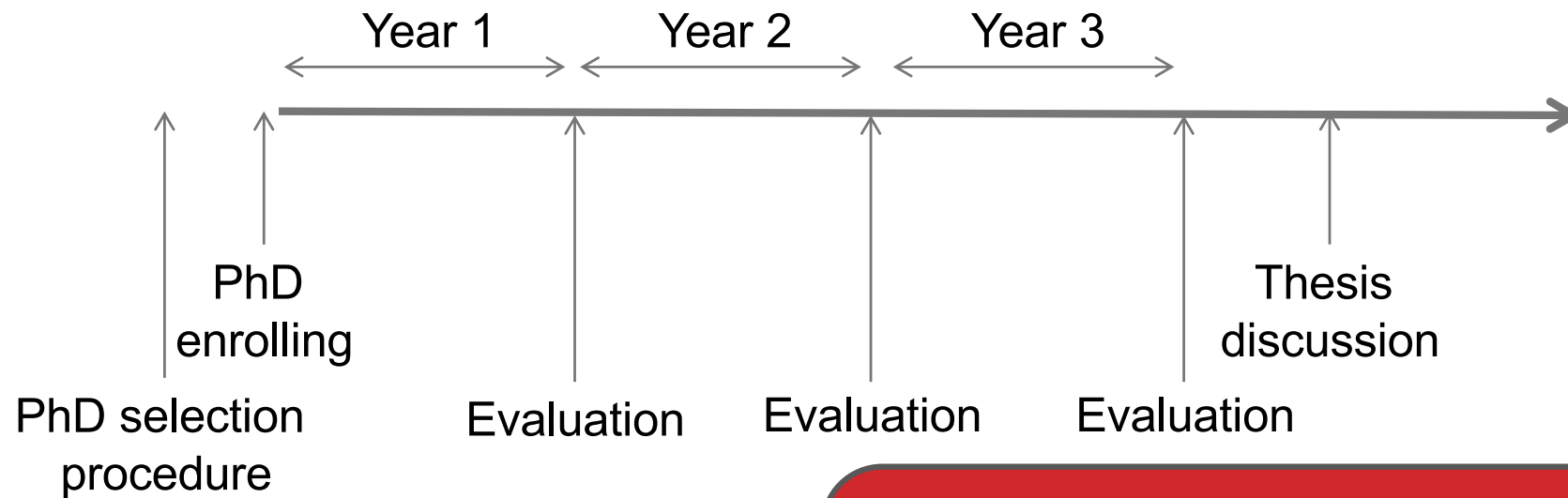
P1	It is the supervisor's responsibility to select a research topic	1	2	3	4	The PhD candidate is responsible for selecting their own topic
P2	The supervisor defines which theoretical framework or methodology is most appropriate	1	2	3	4	The PhD candidate defines which theoretical framework or methodology they wish to use
P3	The supervisor decides the organization of the research into tasks and short-term objectives for the PhD candidate	1	2	3	4	The supervisor leaves to the PhD candidate the organization of the research into tasks and short-term objectives.
P4	The supervisor defines deadlines and milestones for the research program	1	2	3	4	The PhD candidate proposes deadlines and milestones for the research program
P5	The supervisor plans day-by-day work for the PhD candidate	1	2	3	4	The PhD candidate plans day-by-day their own work to match deadlines
P6	The supervisor drives the collaborations with other components of the research group or other researchers	1	2	3	4	The PhD candidate is free to start the collaborations with other components of the research group or other researchers
P7	The supervisor manages the available budget and other costs related to research	1	2	3	4	The PhD candidate takes decisions on the use of the available budget and on other costs related to research
P8	The supervisor develops an appropriate training program for the PhD candidate	1	2	3	4	The PhD candidate develops his training program on his/her own
P9	The supervisor plans and organizes secondments (e.g., periods abroad, Erasmus) for the PhD candidate	1	2	3	4	The PhD candidate plans and organizes secondments (e.g., periods abroad, Erasmus) autonomously
P10	The supervisor is responsible for ensuring that the PhD candidate is introduced to the appropriate services and facilities of the department and university	1	2	3	4	The PhD candidate is responsible for finding and getting access to all the relevant services and facilities of the department and university
P11	The supervisor plans regular meetings and checks progress with the PhD candidate.	1	2	3	4	The PhD candidate decides when they want to meet with the supervisor to discuss progress
P12	The supervisor provides personal counseling	1	2	3	4	Personal counseling is not the responsibility of the supervisor
P13	In addition to guidance/advice, the supervisor plays a major contribution in working out the candidate's research tasks (e.g.: literature review, analysis, experiments, data collection, writing...).	1	2	3	4	The PhD candidate complete their research tasks autonomously. The supervisor provides guidance/advice and feedback with no direct contribution to the work.
P14	The supervisor checks all the research documents and outcomes before release	1	2	3	4	The PhD candidate submits research documents and outcomes to the supervisor only when they want constructive criticism
P15	The supervisor assists in the writing of the thesis if necessary	1	2	3	4	The writing of the thesis is only the PhD candidate's own work
P16	The supervisor is responsible for decisions regarding the quality level of the publications and the thesis	1	2	3	4	The PhD candidate is responsible for decisions regarding the quality level of the publications and the thesis

* To be filled in as soon as possible (within 6 months as per SCUDO requests, and updated next years)

PHD CAREER



PHD CAREER



Year typically starts
on November 1st for most of
the students

* With some other possible starting dates, e.g., March 1 2024 for 39th cycle and 40th cycle

EVALUATION (YEARLY REVIEW)

At (some weeks before) the end of each year, PhD student is invited to

- Upload a PowerPoint report on the performed an ad-hoc web site (PhDMAN, being updated)
- Present them, as well as the plan for the future activities, to one of the established Evaluation Committees (three reviewers each)

His/her report and presentation will be reviewed by the Committee, which will submit its comments (public and private)

The supervisor will also be asked for an evaluation on student activities

The Academic Board will take the final decision about admission to the following year (or the final exam)

Both the Academic Board and SCUDO decided some minimum requirements for the admission to the following year (or final thesis discussion)

PhD students must refer to BOTH the Academic Board and the SCUDO rules for details



EVALUATION (YEARLY REVIEW)

At (some weeks before) the end of each year,
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- Upload a PowerPoint report on the performed
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- Present them, as well as the plan for the future activities, to one of the
established Evaluation Committees (three reviewers each)

His/her report and presentation will be reviewed by the Committee,
which will submit its comments (public and private)

The supervisor will also be asked for an evaluation on student activities

The Academic Board will take the evaluation into account in the
following year (or the final exam)

Both the Academic Board and the PhD student will discuss the
requirements for the admission (or the continuation of the study)
(discussion)

PhD students must refer to **BOTH** the PhD rules and the UDO
rules for details



Additional, intermediate
reviews may be required in
some cases (based on the
outcome of the yearly
review)

EVALUATION PROCESS

PhD Program in Computer and Control Engineering Review Process

The yearly review process of PhD students enrolled in the program is organized in steps.



Each student will receive during the year email reminders with the deadlines for each step.

Yearly report preparation	<p>The yearly report must be a Power Point presentation that MUST follow the template below:</p> <ul style="list-style-type: none">• Research:<ul style="list-style-type: none">○ Topic: 1 slide○ Results: max 15 slides that highlight the student personal contributions, with a particular focus on current year○ Next steps: 1 slide• Teaching (1 slide):<ul style="list-style-type: none">○ Complete study plan agreed with the tutor, including the list of hard skill and soft skill courses (recognized hours/grades, in-house/off-site) attended and planned for the three years○ List of taught courses (with CPD evaluations)○ Other activities• Other results (1-2 slides):<ul style="list-style-type: none">○ Publication list, with a clear indication of those referring to current year

EVALUATION REPORT



Requires the student to provide information about (template):

- Basic info (name, title, supervisor/co- supervisors, etc.)
- Description of the research topic, scenario, motivations
- Description of the activities performed (current year and overall)
 - State of the art
 - Idea, methodology, contributions
 - Results, conclusions, future work
- Description of next steps
- Teaching delivered (including the CPD evaluation received)
- Training activities (e.g., attended courses, schools, etc.)
- Publications (as recorded in IRIS)
- Participation in conferences and other dissemination activities
- Participation in research projects
- Time spent in research institutions different than POLITO
- Involvement in the international research community (e.g., role as reviewer, program committee member, etc.)
- Achievements (e.g., awards or recognitions)
- Other items to report

EVALUATION REPORT



PhD Program in Computer and Control Engineering – Yearly Review

Lorem ipsum dolor sit amet,
OFFICIAL TITLE of THE PHD TOPIC (*PhD Title*)

Name Surname

XXXXXXth Cycle



Politecnico
di Torino

Supervisor(s): Prof. Name Surname
Research Group(s): ABC



Name Surname – Phd Title as reported in slide 1

Name Surname – Phd Title as reported in slide 1

2
4

25

TRAINING REQUIREMENTS



The PhD student must attend courses for a minimum of 140 hours (100 hours of hard skills, 40 hours of soft skills), to be agreed with the Supervisor at the beginning of the 1st year (and possibly updated later)

At least 60 hard skill hours shall be selected from the catalogue of the PhD Program in Computer and Control Eng. (starting from 39th cycle)

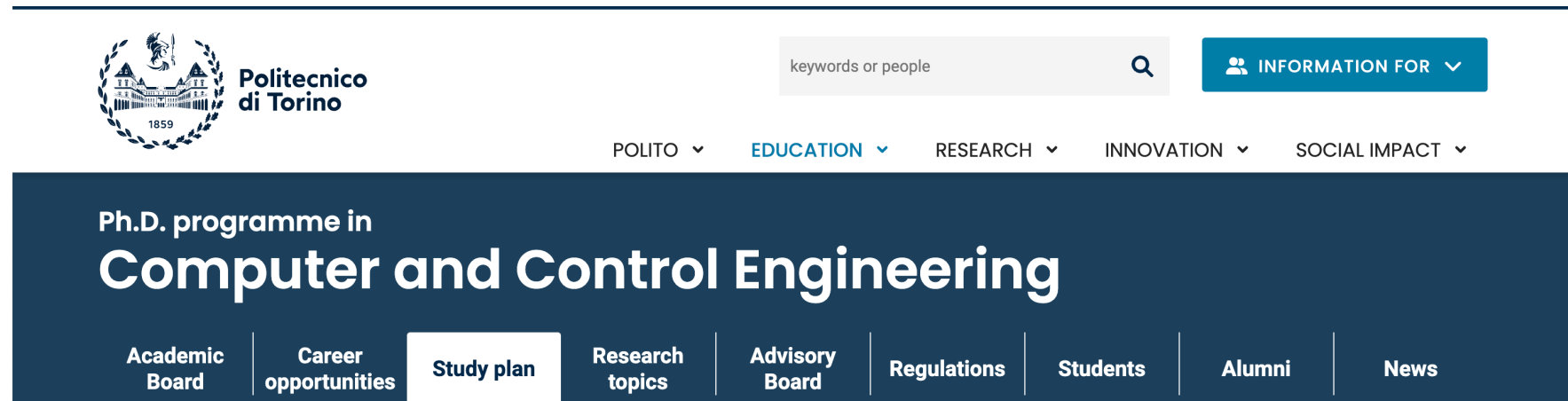
Via the SCUDO Cruscotto, the PhD student can check how many hours have been registered already

SCUDO will enforce the achievement of required hours by the 3rd year

However, at the end of each year, the Evaluation Committee will judge

- Whether the PhD student attended enough courses (the Academic Board recommends the students to complete half of the hours in the first year, the other half by the end of the second year)
- Whether these courses are coherent with his/her research topic

FORMATIVE OFFER AND STUDY PLAN



The screenshot shows the Politecnico di Torino website. The header includes the university logo, a search bar, and navigation links for POLITO, EDUCATION, RESEARCH, INNOVATION, and SOCIAL IMPACT. The main banner for the Ph.D. programme in Computer and Control Engineering features a navigation menu with links to Academic Board, Career opportunities, Study plan, Research topics, Advisory Board, Regulations, Students, Alumni, and News. The 'Study plan' link is highlighted.

Home > Education > Ph.D. programmes and Postgraduate School > Ph.D. programmes > Computer and Control Engineering > **Study plan**

Study plan

The PhD formative offer consists of the hard skill courses offered by the PhD program in Computer and Control Engineering, listed at this [link](#), and soft skill courses offered by the Doctoral School of Politecnico di Torino, at this [link](#). This offer is integrated by Guest lectures, by courses offered by other PhD programs, by schools and online courses. The offer is updated annually based on consultation/benchmarking activities and coherence/sustainability criteria, and is approved according to the rules of the Doctoral School.

HARD SKILLS COURSES >










SOFT SKILLS COURSES >

Catalogues of hard skill courses defined by the Academic Board and of soft skill courses defined by SCUDO

HARD SKILL COURSES



Computer and Control Engineering

Code	Teaching	Hours	Language
01HWMIU	Advanced data structures in Python	20	
01UKAIU	Advanced techniques for digital testing	20	
01HWFUI	Artificial Intelligence Safety	20	
01QTEIU	Data mining concepts and algorithms	20	
01DMSIU	Empirical research methods	20	
01HUTIU	Extended Reality	20	
01UJUIU	Human-Ai Interaction	20	
01UJZIU	Information visualization and visual analytics	20	
01HUSIU	Learning linear and nonlinear feedback controllers from data: theory and computation	20	



PUBLICATION REQUIREMENTS

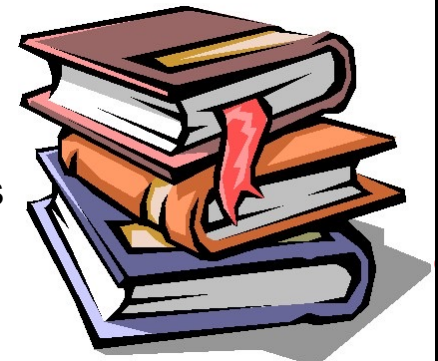
The PhD student **MUST** produce

- At least one paper accepted for publication in an international conference with peer review or in an international journal for every year
- One paper accepted for publication in an international journal ranked Q1 or Q2 by Scopus or WoS

It is **important to plan properly**, considering the time of review processes

Notes

1. Only the journals listed either in the SCOPUS or WOS repositories will be considered
2. Conference papers published as they are in journals (e.g., LNCS, Procedia) are not considered as journal papers
3. Only publications appearing in the official POLITO repository (IRIS) will be considered
4. Only publications after January 1, 2024 will be considered (for students who started the PhD on November 1, 2023)
5. If you coauthor a journal paper with other n PhD students, its weight is divided by $n+1$ (SCUDO consider authors as students for several months after they ended their PhD)



FINAL EXAM

The PhD student will send his/her thesis to two external referees

They will decide whether he/she will be allowed to discuss it

If yes, he/she will present and discuss the thesis in front of an Evaluation Board composed of 5 people (3 from outside POLITO), including the 2 referees



DEGREE CUM LAUDE

When admitting a student to the final exam, the Academic Board may assign him/her an excellence score

The Evaluation Board will use this score to possibly assign the Degree “cum Laude”

The excellence score depends on various aspects (rules defined by an ad hoc Committee of the Academic Board)

- Number and quality of journal publications
- Awards
- Periods abroad
- Dissemination
- ...

THE SCUDO CRUSCOTTO

It is a web application managed by SCUDO allowing

- Students to upload information about their activities and ask for related authorizations (publications, courses, periods outside POLITO, etc.)
- Students (and Supervisors) to manage their final thesis discussion procedure
- POLITO staff to monitor the status of each student

The SCUDO Cruscotto can be accessed through the Portale della Didattica

EXTERNAL TRAINING ACTIVITIES

SCUDO recognizes hours for external training activities too (tab “Attività formative esterne” in the Cruscotto)

On-line courses

- Some rules have been defined hard skill hours by the Academic Board of the PhD Program in Computer and Control Engineering (no pre-authorization required by the Chair only for selected providers like, e.g., Coursera)

Other external activities (e.g., summer/winter schools)

All these activities will be validated only if an exam has been passed

- In order to have the hours recognized, the student must
 - Upload related information on the SCUDO Cruscotto, including the documents stating that he/she
 - Attended the course/school (for a certain number of hours)
 - Passed the exam

EXTERNAL RESEARCH ACTIVITIES

If the student spends any time in external research activities (a KEY OPPORTUNITY, also REQUIRED for some positions), he/she can have them recognized by SCUDO (tab “Attività fuorisede” in the Cruscotto)

The procedure for recognition requires

- The approval by the Chair **BEFORE** the departure
- The uploading of a report by the student **AFTER** the student returns
- The validation by the Chair

Only start and end dates of the activity are acceptable (travels excluded)

The whole procedure must be performed through the Cruscotto

You should inform by email the Chair when you need any action by him (otherwise he receives weekly reports)



EXTERNAL RESEARCH ACTIVITIES

If the activity is performed outside Italy, the student gets a 50% increase of his/her grant for the corresponding period*

If the student spends any time in external research, it is an OPPORTUNITY, also REQUIRED for some positions, if they are them recognized by SCUDO (tab “Attività fuorisede” in the Cruscotto)

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Other grants from Erasmus+ can be obtained



TRAVELS (“MISSIONI”)

When a PhD student has to travel (e.g., to attend a conference, etc.), he/she **MUST** preliminarily ask for a permission, filling an on-line form through the POLITO website (at least 7 working days before the departure date)

After his/her request

1. The owner of the money the student will travel with must approve the travel
2. The DAUIN administration will check whether the specified money is eligible for this purpose
3. The PhD Chair will finally approve the request

The above request concerns money, insurance aspects, etc.

The student **SHALL ALSO** submit the authorization request through the SCUDO Cruscotto (this request is needed for the recognition of activities)

MONEY

The economical support for the PhD student activities (e.g., for equipment, publications, travels, etc.) IS IN CHARGE TO the Supervisor/group

An amount corresponding to 10% of the scholarship (5.656,35 €, 1878,45 € per year) is available through funds allocated to the Supervisor for mobility-related expenses

Each year, the Academic Board re-allocates funds not used by students from the closing cycle



TEACHING ACTIVITIES

DAUIN PhD students are invited to perform some teaching activities (course assistants) for a maximum of 60 hours yearly

- It is an important opportunity to learn how to share knowledge
- It is considered in a number of ways (yearly evaluation, awards, etc.)
- It is also a way to earn extra money, as these activities are paid

It is important to discuss this point with the Supervisor/DAUIN as soon as possible, since assignments are made by the Department a lot in advance



AWARDS

Starting from 2015, several Awards have been established to recognize the best PhD students

- At the end of the path (2500€), 3 awards this year (+1 ex aequo)
- At the end of the 2nd year (1200€), 8 awards this year



AWARDS

Starting from 2015, several Awards recognize the best PhD students

- At the end of the path (2500€)
- At the end of the 2nd year (1200€)

The PhD board sets specific requirements, periodically revised by an ad hoc Committee, which consider, among others, achieved publications, external research activities, periods abroad, participation to projects and dissemination events, teaching activities, awards, etc.



EVENTS

DAUIN and POLITO organize events involving / of interest for PhD students like, e.g., the PhD Day, PitchD, etc.

Next event will take place at DAUIN in Sala L. Ciminiera on March 12, 2024, 4-6pm (students of all cycles are invited)



KEY POINTS



1 Publication EACH year (conference/journal)
1 Journal (Q1/Q2) by the 3rd year (considering also 50N indicat.)



Study plan (at the beginning of the 1st year)
100 Hard Skills (min. 60 from catalogue of the PhD Program)
40 Soft Skills



60 hours/year max. (paid, as teaching assistant)



Report and oral presentation EACH year

DOI and Questionnaire



Awards



Events

Cruscotto → Supervisor → PhD Chair → DAUIN → SCUDO

GOOGLE SCHOLAR / LINKEDIN

DAUIN PhD students are requested to

- Own a Google Scholar account
- Own a LinkedIn account
- Send the corresponding links to *dauin.dottorato@polito.it* by **March 12, 2024** writing «DAUIN PhD Scholar/LinkedIn links» in the subject

Google Scholar



PERSONAL WEBPAGE

DAUIN PhD students are requested to

- Keep their personal webpage up-to-date
- Start inserting basic information, like, e.g.
 - Photo
 - Title of the research
 - Google Scholar and LinkedIn account
 - Research interests (keywords)
 - Biography
- Have the page approved by the Supervisor (changes to the page always need to be approved by the Supervisor)
- More information about deadlines, etc., will be sent by the ad hoc Committee of the Academic Board

COMMUNICATION MEANS

- PhD program website
- Group on LinkedIn
 - PhD in Control and Computer Engineering @ PoliTO

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Join ASAP!

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- Email (students)
 - Personal e-mail address (e.g., mario.rossi@polito.it)
 - Student e-mail address (e.g., sxxxxxx@studenti.polito.it)
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Forward all of them
to a single e-mail address to be sure
not to miss important
communications!

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- Email (student representatives)
 - Simone Pirrera, simone.pirrera@polito.it
 - Francesco Ripa, francesco.ripa@polito.it

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 - Francesco Ripa, francesco.ripa@polito.it
- Email (Chair, Vice-chair and DAUIN Secretariat)
 - Fabrizio Lamberti, fabrizio.lamberti@polito.it
 - Guido Marchetto, guido.marchetto@polito.it
 - Secretariat: dauin.dottorato@polito.it

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- Email (Chair, Vice-chair and DAUIN Staff)
 - Fabrizio Lamberti, fabrizio.lamberti@polito.it
 - Guido Marchetto, guido.marchetto@polito.it
 - Secretariat: dauin.dottorato@polito.it
- Social media (soon)

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 - Simone Pirrera, simone.pirrera@polito.it
 - Francesco Ripa, francesco.ripa@polito.it
- Email (Chair Vice-Chair, BOARD OF STUDENTS)
 - Fabrizio
 - Guido
 - Secre
- Social media

Let us know any news which could be distributed to promote and make more visible our PhD Program (e.g., awards, initiatives, achievements)

SUGGESTIONS

- **Try to make your PhD period as much productive as possible**
- **Make a plan for your activities, and periodically check whether you are matching the plan deadlines and objectives**
- **Interact as much as possible with your Supervisor**
- **Please let the student representatives know about possible issues, needs, etc. which may also be relevant for other students**
- **In case of problems, contact the Chair of the Academic Board**
 - Unless the subject is personal, add your Supervisor in CC
- **Learn Italian (for foreign students)**
- **Constantly update the POLITO databases (IRIS, Cruscotto)**
 - For publications, as soon as you receive a notification of acceptance

Enjoy your PhD period!