



PhD Program in Electrical and Computer Engineering

Report Year **15**

PREPARED BY

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Coordinator of the program

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1. BRIEF HISTORY

Editions:

The PhD Program in Electrical and Computer Engineering in its current format, which is adapted to the Bologna model, started in the academic year of 2008/2009. It is now starting its 16th edition.

The inaugural sessions of previous editions took place on:

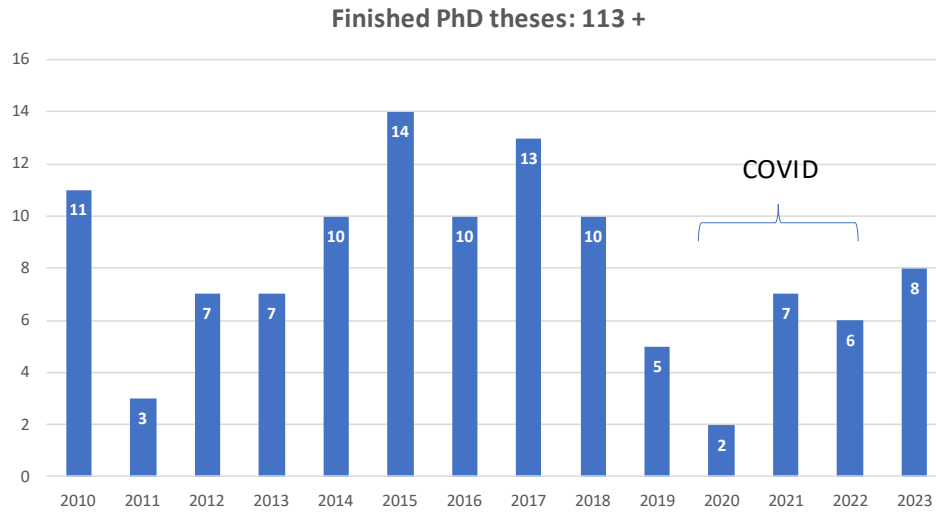
- 1st edition: 17 Nov 2008.
- 2nd edition: 25 Nov 2009.
- 3rd edition: 16 Dec 2010.
- 4th edition: 9 Jan 2012.
- 5th edition: 14 Jan 2013.
- 6th edition: 6 Jan 2014.
- 7th edition: 6 Jan 2015.
- 8th edition: 15 Jan 2016.
- 9th edition: 16 Jan 2017.
- 10th edition: 22 Jan 2018.
- 11th edition: 21 Jan 2019.
- 12th edition: 10 Feb 2020.
- 13th edition: 11 Jan 2021.
- 14th edition: 10 Jan 2022.
- 15th edition: 9 Jan 2023

The edition of 2023/2024 (**16th edition**) had its inaugural session on 14 November 2023.

As some candidates usually took a long time to formalize their enrolment in the Academic Office (e.g., in some cases they had to wait for the defense of the MSc thesis, others had to wait for VISA to Portugal), it was not possible to start all formal activities earlier. Nevertheless, some preparatory activities (e.g., Advanced Topics courses), which have a tutorial nature started for some students in the last quarter of 2023.

Results:

During last years, the following number of theses have been concluded:

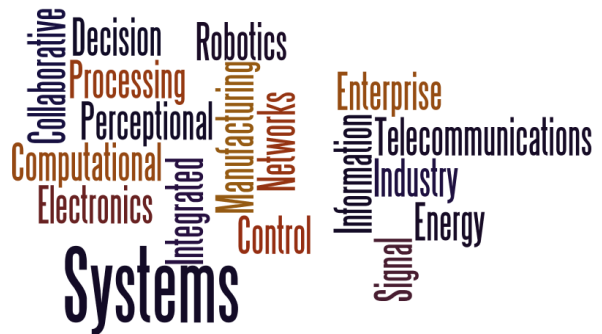
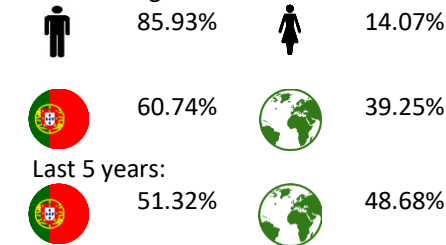


Two other students have submitted their theses in 2023 and are waiting for public defense.

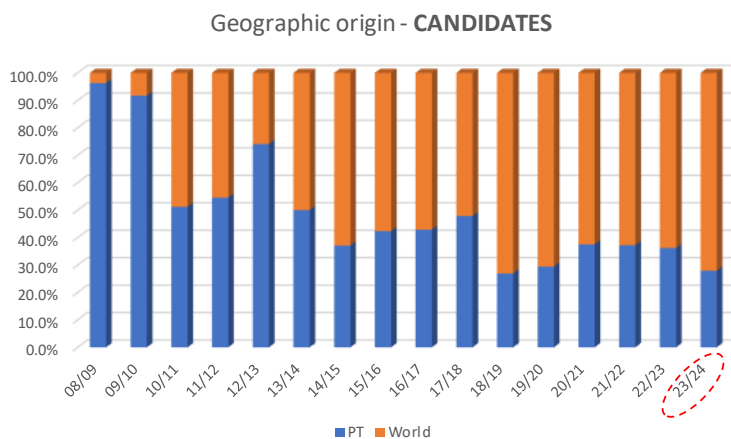
Current demographics:

In terms of **current students**, the following demographics apply:

Gender & origin distribution



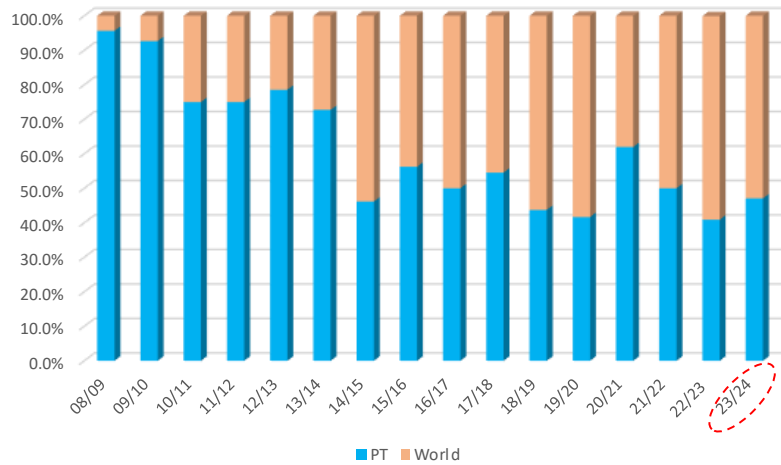
In recent years there has been a fast increase in the number of foreign students. This number could be even higher if the visa and procedures of SEF (Service of Foreigners and Borders) were less complex and less time demanding.



Geographic origin - ENROLLED



Applications & enrollment
in 23/24 still ongoing



Current number of students:

Total number of registered students as of Dec 2023: **157**

- Active students: **88**
- Suspended for lack of payment of tuition fee: 41 (most of them active)
 - Active + Suspended for no payment: **129**
- Suspended for other reasons: 28

Research centers supporting PDEEC:

- CTS – Center of Technology and Systems (all specialization areas)
FCT evaluation: Excellent
- IT- Telecommunications Institute (telecommunications area)
FCT evaluation: Very Good

2. ORGANIZATIONAL STRUCTURE

Coordinator:

- Prof. Dr. Luis M. Camarinha-Matos

Scientific Committee of PDEEC:

- Chair: Prof. Dr. Luis M. Camarinha-Matos
- Members: Prof.s Dr.s Rui Neves da Silva, José Barata Oliveira, João Martins, João Goes, Ricardo Gonçalves, Rui Dinis

Secretarial support:

- Cristina Silva / Paula Simão

Financial officer:

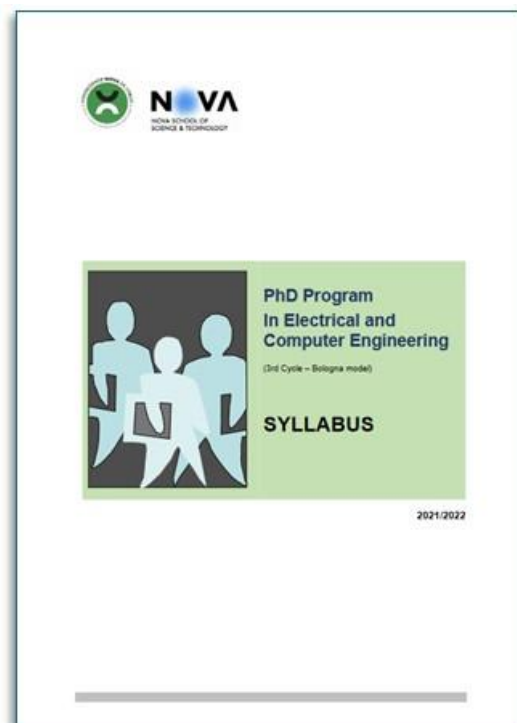
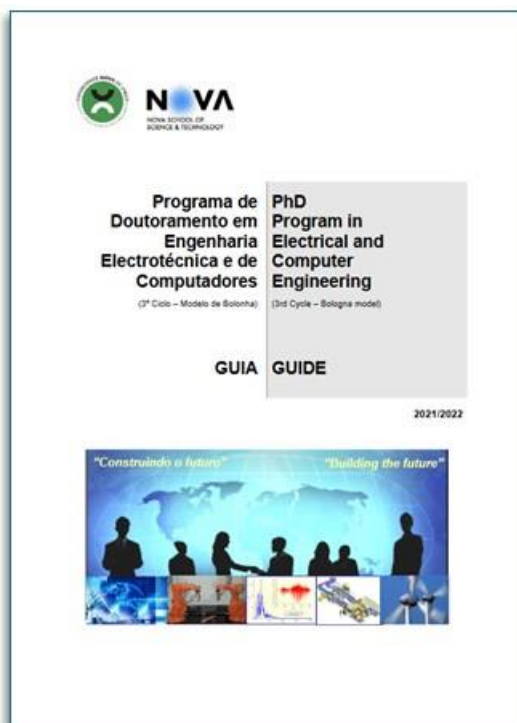
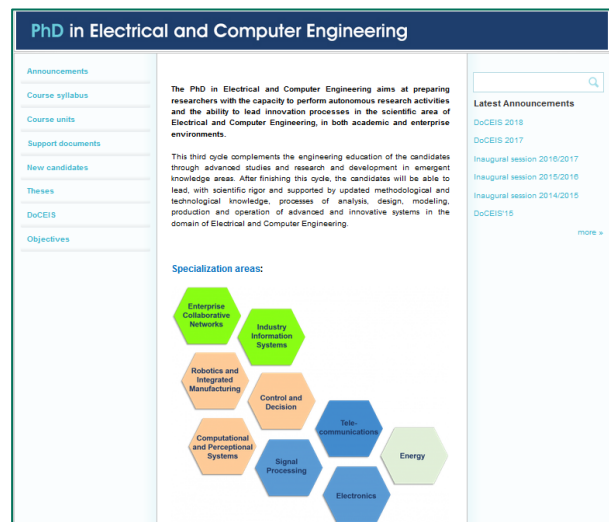
- Prof. Dr. Ana Inês Oliveira

Site:

In order to both support dissemination of the program and provide a repository of information for the students, there is a specific site:

<http://sites.fct.unl.pt/pdeec>

Complementarily, two main reports provide base information on the program contents: Guide of the PhD Program (in Portuguese and English) and *Syllabus* (in English).



3. CANDIDATES ACCEPTED IN 2022/2023

Regarding the 15th edition of PDEEC, there were **48** candidates. After the selection process, **29** candidates were accepted by the Scientific Committee, out of which **22** formalized their enrolment. Meanwhile 1 quit, remaining **21**.

Taking into account the analysis of the candidates' CV the following individual study plans are established:

Table 1 – PhD students enrolled in the 14th edition of the program

Nº	Name	SRMT	EM	DC	RP	FO	AT cd	AT el	AT en	AT sp	AT cn	AT rim	AT eps	AT iis	AT tel	Specialization
66790	Alexandre M. Manta da Costa															Robotics & Integrated Manufacturing
66794	Ali Sousaraei															(QUIT)
66788																?
64752	Moussio Fama Nogueira															Collaborative Enterprise Networks
64754	Elham Kermanianmiandoab															?
66617	Armando A. Santos Wang															Energy
66815	Luís Gonçalves															Control and Decision
66362	Eugene Owilla															Telecommunications
64351	Euríp A. M. Silva Clemente															Collaborative Enterprise Networks
66806																?
64748	Luís Gonçalves S. Almeida															Telecommunications
66595	João Carlos Gaspar Araújo															Electronics
66804																?
66641																?
64353	Mafalda P. S. V. P. Rocha															Collaborative Enterprise Networks
66645	Luís Miguel Germano Viegas															?
66597																?
66678	Rafael Menezes de Barros															?
64323	Saeed Akbari															Energy
66816																Electronics
64662	QUNIS SAHER KALID AHMED															?
66845	Zahra Ebadpour															Robotics & Integrated Manufacturing

Equivalence 
To be done 

In terms of geographical origin, the **candidates** had the following distribution:

- Angola: 3
- Bangladesh: 1
- Brazil: 3
- Iran: 9
- Jordan: 1
- Kenya: 1
- Pakistan: 7
- Portugal: 17
- Spain: 2
- Ukraine: 1
- Yemen: 2

Among the **enrolled** students, we have:

- Angola: 2
- Brazil: 1
- Iran: 6
- Kenya: 1
- Pakistan: 1
- Portugal: 9
- Yemen: 2

Some of the accepted candidates did not formalize their enrolment, either due to economic problems or difficulty in getting visa to Portugal. Our Embassies / SEF continue creating strong obstacles to the attraction of foreign students.

4. CURRICULUM STRUCTURE

4.1 Modus operandi

Like previous editions and considering the number of registered students for each course, some courses included formal lectures, while others were organized as self-study units (individual guided studies and interaction with professors assigned to each topic).

Courses with formal lectures

Lectures were organized in a concentrated mode (daily from 14:00 to 18:00) during a period between the 1st and 2nd semesters.

Like previous editions, all lectures were offered in English.

Scientific Research Methodologies and Techniques

This course included 30 h (14 modules + projects' presentation) lectured during Jan 2023.

This course is a fundamental element to let students acquire a “scientific research culture” and to learn how to organize their research work. Received feedback from students continues to be very positive.

Supporting materials are available at:

<https://sites.fct.unl.pt/doutoramento-engenharia-electrotecnica-computadores/pages/courseunits>



A total of **20** students concluded this course in 2023 (average grade 14.75 in 20).

The course was mostly lectured by Prof. Camarinha-Matos, with a partial contribution of Prof.s João Sarraipa / Ricardo Gonçalves, Rui Neves-Silva and João Goes in module 14 (Project Proposals Preparation) and corresponding evaluation.

Entrepreneurship Methods

A total of 28 students were registered for this course this year. This course included 30 h lectured during Feb-Mar 2023, by staff of FCT-NOVA (J. Barata, L. M. Camarinha-Matos, J. Silva Lopes, A. Brandão Moniz, P. Sousa) and external invited experts (J. Jassbi, S. Nikghadam, M. Cerejo, J. Damião, L. Moura, P. Pinho).



A total of **19** students concluded this course in 2023 (average grade 13.84 in 20).
2 students failed and 7 were not evaluated.

Doctoral Conference

Due to the specific nature of this course, it has a mixed structure: a few plenary lectures for the introduction of the main concepts and principles, followed by parallel working groups focused on the various specific aspects of the organization of an international conference.

With reference to the **14th edition**, the activities of this course started in Oct 2022 and ended in July 2023 (the conference was held on 5-7 Jul 2023).

Like previous editions, the conference had an international scope and was technically co-sponsored by 3 international societies:

- SOCOLNET – Society of Collaborative Networks
- IFIP – International Federation for Information Processing, WG 5.5
- IEEE, Industrial Electronics Society.

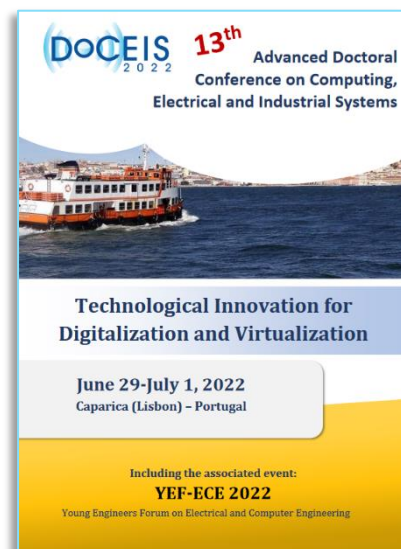
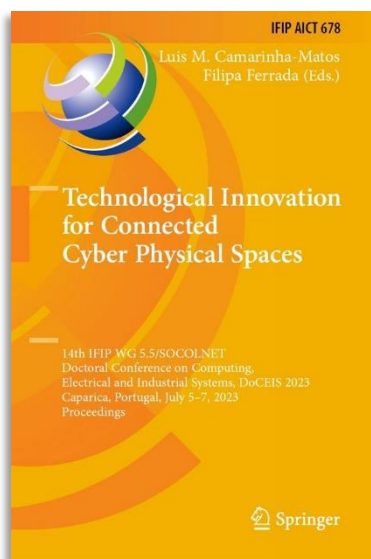
The conference proceedings continued to be published by Springer, under the IFIP AICT (Advances in ICT) series (indexed in **SCOPUS** and **DBLP**).



The general theme of the 2023 edition was "**Technological Innovation for Connected Cyber-Physical Spaces**".

For the 14th edition a total of **54** submissions from **15** countries were received. This included the following authors per country:

- Brazil – 7
- Estonia – 3
- France – 1
- Ghana - 2
- Hungary – 5
- Iran – 3
- Italy – 6
- Morocco - 3
- Netherlands – 1
- Poland - 5
- Portugal – 82
- Puerto Rico – 1
- Spain - 12
- UK – 3
- USA - 1



After double blinded peer reviewing, the International Program Committee accepted 22 papers for inclusion in the conference program. Among these, **11** papers were contributed by PDEEC.



In addition to the presentations of technical papers, the conference also included:

- 3 invited keynotes:
 - **Service Experiences, Emotions and Artificial Intelligence: exploring value creation opportunities in service delivery systems** – Prof. Marlene Amorim, *University of Aveiro, Portugal*
 - **Electronics for Electric Mobility & Renewables** –Prof. Adriano Carvalho, *University of Porto, Portugal*
 - **Intelligent Control: Exploring Methods and Practical Applications** –Prof. Valentina Balas, *University of Arad, Romania.*

- 2 horizontal sessions:
 - **Innovation, Entrepreneurship and Positive Cyberpsychology**, *Dulce Matos, School of Business Administration (ESCE) of the Polytechnic Institute of Setúbal (IPS), Portugal, and Monika Sonta and Agnieszka Zawadzka-Jablonowska, Poland*
 - **Design thinking process, as tools for research and innovation**, *Sara Gancho, IADE - Universidade Europeia, Portugal*

Co-located with DoCEIS 2023, and similar to previous years, another event was organized:

YEF-ECE 2023

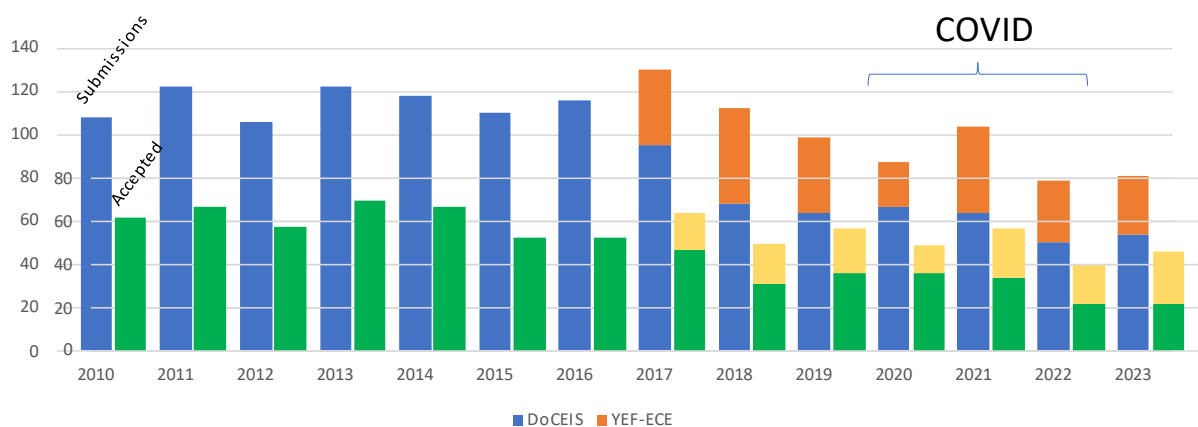
7th International Young Engineers Forum on Electrical and Computer Engineering

This event was dedicated to young engineers to present results of their MSc theses or early career projects.

A total of **24** papers (out of 27 submissions) were accepted by the International Program Committee.

The proceedings were published by IEEE Xplore and also indexed in Web of Science and SCOPUS.





Evolution of submissions



In recent years, namely due to COVID-19, there was some reduction in the number of submissions.



Like previous years, this edition was quite successful, according to received feedback from the participants, although with a decrease in the number of papers



The organization of YEF-ECE was quite successful, as a 7th edition, and contributed to increase the number of participants.



6 students completed this course in 2023 (average grade: 15.2 in 20). Several of the registered students still need to deliver some evaluation elements (to be completed in the next edition).



Regarding the various editions of DoCEIS, in addition to the books sold worldwide by Springer, the electronic version of the papers is having a **large number of downloads**:

Data provided by Springer (as of 15 Dec 2023, <https://link.springer.com/conference/doceis>):

Edition	Chapter downloads	Since	Proceedings book
DoCEIS 2010	186 K	April 2010	Emerging Trends in Technological Innovation
DoCEIS 2011	172 K	April 2011	Technological Innovation for Sustainability
DoCEIS 2012	122 K	April 2012	Technological Innovation for Value Creation
DoCEIS 2013	281 K	April 2013	Technological Innovation for the Internet of Thing
DoCEIS 2014	139 K	April 2014	Technological Innovation for Collective Awareness Systems
DoCEIS 2015	103 K	April 2015	Technological Innovation for Cloud-based Engineering Systems
DoCEIS 2016	140 K	April 2016	Technological Innovation for Cyber-Physical Systems
DoCEIS 2017	66 K	May 2017	Technological Innovation for Smart Systems
DoCEIS 2018	20 K	May 2018	Technological Innovation for Resilient Systems
DoCEIS 2019	25 K	May 2019	Technological Innovation for Industry and Service Systems
DoCEIS 2020	39 K	July 2020	Technological Innovation for Life Improvement
DoCEIS 2021	24 K	July 2021	Technological Innovation for Applied AI Systems
DoCEIS 2022	5.9 K	July 2022	Technological Innovation for Digitalization and Virtualization
DoCEIS 2023	4.6 K	July 2023	Technological Innovation for Connected Cyber Physical Spaces

The **15th edition** of the conference – **DoCEIS 2024** – started to be prepared in Oct 2023, and it shall take place in Caparica, on 3-5 Jul 2024.

The theme chosen for this edition is:

"Technological Innovation for Human-Centric Systems".

This edition is coordinated by Prof.s L.M. Camarinha-Matos (*Conference & Program chairman*), F. Ferrada (*Program co-chair*), R. Neves-Silva (*Organization chairman*), P. Pereira, N. Amaro (*Associated activities chairmen*), and L. Oliveira (*Financial chairman*).

For this edition, we are in the process of receiving submissions.



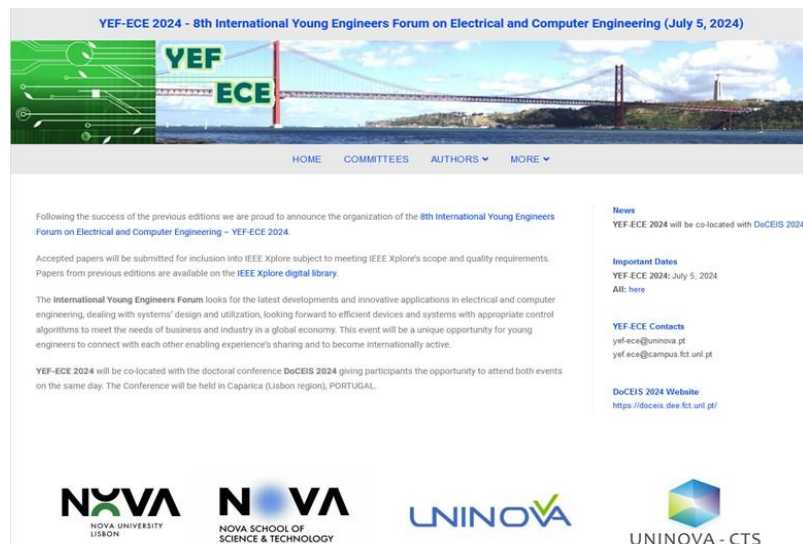
The proceedings are also expected to be published as a book by Springer, under the AICT series.

The conference site is available at: <http://doceis.dee.fct.unl.pt/>

Like in previous years, the 8th YEF-ECE forum is also being organized as an associated event:

<https://yef-ece.deec.fct.unl.pt/>

The proceedings are also expected to be published by IEEE Xplore.



Free Option

Since this is a course that can be freely selected from any other courses offered by FCT at the PhD level or courses offered by NOVA Doctoral School, students are typically integrated in those courses and follow the normal program and evaluation rules of those courses.

Courses organized in a self-study / tutorial modality

This group includes the courses:

- Advanced Topics (9 options, to select one according to the specialization area)
- Research planning (leading to the Thesis Plan).

Advanced Topics

Regarding these courses, students are supposed to follow an individual study plan according to the list of selected topics for each specialization area (as described in the *Syllabus* of PDEEC) and interact with the professors in charge of those topics (also indicated in the *Syllabus*).

Some of these courses continue with some delays, as students do not have to follow a strict schedule. This situation also affects the progress on the Research Planning course.



In this area it is necessary to have a more active involvement of the professors associated to each topic in order to guarantee a more effective and timely progress.

Research Planning

This “course” is equivalent to a workload of one semester full time and involves the identification of the research question(s) and hypothesis(es), study and synthesis of the state of the art, and elaboration of the research plan. This work needs to be developed by the student in close interaction with the supervisor. The result should be a **Thesis Plan** to be discussed with the Thesis Accompanying Committee in a public seminar.



Only 4 students completed this course in 2023 (average grade: 18.25 in 20). This number is very limited, considering the number of registered students.

According to the PhD Program Regulations, the PhD students have up to 24 months to submit the report and apply for this public discussion (which, in principle, should happen between month 12 and month 24).



However, most students continue taking too long to finish their plans. The supervisors have a relevant role in this process. Only with continuous monitoring and support from the supervisor it will be possible to reduce the traditionally excessive time spent with this activity.

The limit of 24 months should be an exception and not the norm. The desirable norm should be to finish all courses in 12 months (except for students on part-time).



Unfortunately, we have observed that some supervisors are not performing the expected supervision in this area, resulting in considerable delays.

Some supervisors also guide their students to include substantial research results in the Thesis Plan, which is not the intention for such Plan and has the negative consequence of leading to excessive delays.

TACs are now being asked to not focus on research results but rather on the key components expected in a thesis plan.



The Thesis Accompanying Committees (TACs) have been playing an important role in the improvement of the quality of the PhD research work. There are, however, a few cases in which the TAC assessment reports are too short and thus do not provide useful guidance to the student. This situation needs to be improved.



In some areas there is an excessive repetition of the same names in the TACs of those areas. Although it might be difficult to find additional experts for some topics, it is **necessary to diversify the composition of the TACs** in order to guarantee the necessary independent assessment. As such, supervisors are asked to make an effort in this direction.

4.2 Edition of 2008/2009

Situation of the PhD students enrolled in 2008/2009 regarding the courses component:

Nº	Name	MTIC	ME	CD	PI	OL	TAcd	TAel	TAen	TAps	TArc	TArcmi	TAscp	TAsii	TAtel	Graduated
30064	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green					Green					2016
30074	Carlos Manuel de Melo Azeiteiro	Green	Green	Green	Green	Green								Green		2012
30069	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green			Green							2015
29760	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green			Green							2014
30068	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green			Green							2015
30065	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green					Green					2017
29588	Carlos Manuel de Melo Azeiteiro	Green	Green	Green	Green	Green	Green									2015
30073	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green								Green		2013
29586	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green			Green							2018
30070	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green							Green			Suspended p
30063	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green							Green			Suspended
30066	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green						Green				2012
29770	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green	Green									2015
30067	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green		Green								2013
30137	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green				Green						2011
29768	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green								Green		2014
30072	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green							Green			2017
30040	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green							Green			Suspended p

Finished course
 Got equivalence
 Waiting for public defense
N Course not yet finished (delayed)

Note: PhD students that have quit were removed from this table.



15 students finished their theses till now.



Even considering that most of the remaining ones are part-time students, they should have finished long ago.

Some students are **suspended**, probably because they have not yet paid the annual fee. It might even be the case that they quit but did not formalize their withdrawal from the program.

4.3 Edition of 2009/2010

Situation of the PhD students enrolled in 2009/2010 regarding the courses component:

Nº	Name	MTIC	ME	CD	PI	OL	TAcd	TAel	TAen	TAps	TArc	TArcmi	TAscp	TAsii	TAtel	Graduated
33253	Ana Sofia Fachada Fernandes (a)	Green	Green	Green	Green	Green										2010
32555	Ana Sofia Fachada Fernandes (a)	Green	Green	Green	Green	Green			Green							2010
33254	Carlos Manuel de Melo Azeiteiro	Green	Green	Green	Green	Green			Green							2015
32618	Carlos Manuel de Melo Azeiteiro	Green	Green	Green	Green	Green		Green								2011
32608	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green										2014
33224	Eduardo Adelino Marques Nunes Figueira	Green	Green	Green	N	Green			Green							Suspended p
33490	Eduardo Adelino Marques Nunes Figueira	Green	Green	Green	N	Green					Green					QUIT
32678	David Duarte Pereira Lourenço	Green	Green	Green	Green	Green			Green							2018
33249	Fernando Joaquim Gonçalves Pereira	Green	Green	Green	Green	Green							Green			2017
32574	Filipe de Carvalho Moutinho	Green	Green	Green	Green	Green							Green			2014
33270	Francisco José Dias de Sousa Fernandes	Green	Green	Green	Green	Green									Green	2014
32552	Francisco Manuel Mendes da Silva Pina	N	N	N	N	Green										Suspended
32571	Francisco Manuel Mendes da Silva Pina	Green	Green	Green	Green	Green			Green							2013
32725	Wagner Pinheiro de Sousa Costa	Green	Green	Green	Green	Green		Green								Suspended p
32590	João Carlos Ferreira de Almeida Casoleiro	Green	Green	Green	Green	Green			Green							2015
32734	João Carlos Ferreira de Almeida Casoleiro	Green	Green	Green	Green	Green			Green							2010
33572	José Alberto Oliveira Lima	Green	Green	Green	Green	Green				Green						2016
33271	José Alberto Oliveira Lima	Green	Green	Green	Green	Green									Green	2014
32606	José Rui Martins Casaleiro (a)	Green	Green	Green	Green	Green			Green						Green	2011
32585	José Xavier Moreira Da Silva (a)	Green	Green	Green	Green	Green							N			Suspended p
32564	José Xavier Moreira Da Silva (a)	Green	Green	Green	Green	Green									Green	2012
33102	José Xavier Moreira Da Silva (a)	N	N	N	N	Green										Suspended p

- (a) Entered in the 2nd phase
- (b) Student from pre-Bologna program (does not have to do the courses part)



10 students finished their theses till now.



Also, in this edition there are unacceptable **major delays** regarding the conclusion of some courses.

Since these cases coincide with students that are suspended, it is likely that they have quit but have not formalized the withdrawal yet.



In the case a thesis plan is not available yet (5 suspended students), the TACs and supervisors should assess whether the student has the capacity to continue or not; or if the supervisors are able to guide these students. **It is not acceptable that after 13 years there is no thesis plan yet (even if some of them are part-time students).** Have they quit?

4.5 Edition of 2011/2012

Situation of the PhD students enrolled in 2011/2012 regarding the courses component:

Nº	Name	MTIC	ME	CD	PI	OL	TAcd	TAel	TAen	TApS	TArc	TArmi	TAscP	TAsii	TAtel	Graduated
38744	Carlos Eduardo Dias Coutinho (a)															2013
38070	Carlos Eduardo Dias Coutinho (a)															2015
38345	Fernando Luis Lourenço Ferreira															2015
38346	Fernando Luis Lourenço Ferreira															2017
38996	Luis Miguel Rezo Pires (b)				N											Suspended
38876	Luis Miguel Rezo Pires (b)															2023
38050	Massimiliano Zanin															2014
38690	Massimiliano Zanin															2016
38980	Miguel Pinto Campilho Gomes (b)				N											Suspended
38728	Miguel Pinto Campilho Gomes (b)															2015
38972	Raúl Eduardo Capela Tello Rato (a) (c)															2012
38691	Raúl Eduardo Capela Tello Rato (a) (c)				N	N			N							Suspended
38049	Sebastian Scholze															Suspended
38184	Sebastian Scholze															2016
37772	Tabereh Nadehi															2014
38063	Tabereh Nadehi				N	N										

Equivalence Finished course Course not yet finished (delayed)

- (a) Student from pre-Bologna program (does not have to do the courses part)
- (b) Entered in the 2nd phase
- (c) Self-supervised



11 students of this edition have finished their theses till now.



Also, in this edition there are **major delays** regarding the conclusion of some courses. **It is necessary that both the supervisors and the TACs more carefully check what is happening with the courses not finished yet.**



In the case a thesis plan is not available yet (1 active and 3 suspended students), the TACs and supervisors should assess whether the student has the capacity to continue or not; or if the supervisors are able to guide these students. It is not acceptable that after 12 years there is no thesis plan yet (even if some of them are part-time students).

4.6 Edition of 2012/2013

Situation of the PhD students enrolled in 2012/2013 regarding the courses component:

Nº	Name	MTIC	ME	CD	PI	OL	TAcd	TAel	TAen	TAps	TArc	TArmi	TAscsp	TAsii	TAtel	Graduated
41203	Ali Abdollahy Gharbali															2018
41185	Carolina Patrícia Gomes Furtado															2017
40964	Catarina Inês Marques de Lucena															2016
41116	Carolina Inês Marques de Lucena															2017
41189	Pábio Emanuel Pais Januário															2021
41159	Carolina Patrícia Gomes Furtado	N	N	N	N	N	N									Suspended p
41192	Hugo Alexandre de Andrade Serra															2017
41071	Carolina Patrícia Gomes Furtado															2016
40662	Luis Filipe Romba Jorge				N	N			N							Suspended
41199	Carolina Patrícia Gomes Furtado															2021
41200	Pedro Miguel Lucas Arsenio															2017
41430	Carolina Patrícia Gomes Furtado				N											QUIT
41198	Rui Miguel Amarel Lopes															2017
41507	Carolina Patrícia Gomes Furtado															2017

Equivalence   Finished course
  Course not yet finished (delayed)



11 students of this edition finished their theses.



Also, in this edition there are **major delays** regarding the conclusion of some courses. **It is necessary that both the supervisors and the TACs more carefully check what is happening with the courses not finished yet.**



In the case a thesis plan is not available yet (2 students), the TACs and supervisors should assess whether the student has the capacity to continue or not; or if the supervisors are able to guide these students. It is not acceptable that after 10 years there is no thesis plan yet (even if some of them are part-time students). 1 of them seems to have quit (41159) but has not formalized the withdrawal.

4.7 Edition of 2013/2014

Situation of the PhD students enrolled in 2013/2014 regarding the courses component:

Nº	Name	MTIC	ME	CD	PI	OL	TAcd	TAel	TAen	TAps	TArc	TArmi	TAscsp	TAsii	TAtel	Graduated
43945	André Dionísio Bettencourt da Silva Rocha															2018
44429	Carolina Patrícia Gomes Furtado															2020
43962	Elsa Maria Marcelino de Jesus				N											
43621	Carolina Patrícia Gomes Furtado				N											QUIT
43984	Frederico Joao Gonçalves dos Santos Mendes Martins	N	N	N	N	N			N							Suspended p
44089	Kevin Pierre Nogueira															2022
43582	Leonardo Pedro Donas-Boto Vilhena															2020
44126	Mário Rui Monteiro Marques															2018
44154	Carolina Patrícia Gomes Furtado															2019
44173	Thais Andrea Baldissera (a)															2019

Equivalence   Finished course
 Ongoing   Course not yet finished (delayed)

(a) Entered in the 2nd phase



7 students of this edition finished their theses.



Also, in this edition there are major delays regarding the conclusion of some courses. It is necessary that both the supervisors and the TACs more carefully check what is happening with the courses not finished yet.



Even if some students are part-time students, by now all courses should have been completed and the Thesis Plan should be available.

It is necessary that the supervisors check the situation.

It looks like that in some cases the supervisors are guiding the students to invest on the research activities before having a research plan approved, a situation that needs to be fixed!

One student (43984) has quit but has not formalized the withdrawal yet.

4.8 Edition of 2014/2015

Situation of the PhD students enrolled in 2014/2015 regarding the courses component:

Nº	Name	MTIC	ME	CD	PI	OL	TAcad	TAel	TAen	TAps	TArc	TArmi	TAsc	TAsi	TAtel	Graduated
46574	André Filipe Lopes Lourenço															2022
46657	André Filipe Lopes Lourenço				N	N						N				Suspended
46416	Artur António Lourenço Lourenço			N	N	N								N		Suspended
46560	Artem Artemovich Nazarenko															
46316	Artur António Lourenço Lourenço															2021
46533	Osmael Kondrat			N	N	N	N									QUIT
46471	Artur António Lourenço Lourenço															Suspended p
46575	Milica Marki			N	N	N									N	Suspended
46581	Artur António Lourenço Lourenço															2021
46678	Paulo Alves Fernandes															2022
46651	Artur António Lourenço Lourenço															2018
46324	Vanessa Susannah Schaefer															Suspended p



5 students of this edition finished their theses.



4 students have not finished all courses! All courses should have been finished long ago. In fact, some of them progressed very little during this year. Some probably quit.

It is necessary that the supervisors check the situation.

It looks like that also in this edition, some supervisors continue guiding the students to invest on the research activities before having a research plan approved, a situation that needs to be fixed!

The situation with some suspended students is unclear.

4.9 Edition of 2015/2016

Situation of the PhD students enrolled in 2015/2016 regarding the courses component:

Nº	Name	MTIC	ME	CD	PI	OL	TAcad	TAel	TAen	TAps	TArc	TArmi	TAsc	TAsi	TAtel	Graduated
48978	Adriano Manuel Alves Ferreira (a)															Suspended P
49139	Anderson Rafael Lourenço Lourenço															2016
48689	Edson José Chapiro de Castro Monteiro			N	N	N			N							QUIT

58859	Diyar Salah Fadhi																
58829	Gonçalo Soares Cabado de Brito			N	N	N										N	QUIT
58816	João Eduardo Albuquerque Martins Pereira Pires					N	N										
57424	Kwabena Amoako Kyeremeh	N	N	N	N	N											Suspended p
58986	Luis Alberto Estrada Jimenez					N											
58997	David Nasrollahi			N	N	N											?
59004	Pedro Correia Ferreira					N	N										



This edition is also very in terms of courses !



**1 student has not yet indicated his specialization area (probably quit).
Students 58829 and 58997 quit.**

4.14 Edition of 2020/2021

Situation of the PhD students enrolled in 2020/2021 regarding the courses component:

N°	Name	SRMT	EM	DC	RP	FO	AT cd	AT el	AT en	AT sp	AT cn	AT rim	AT cps	AT iis	AT tel	Graduated
61395	Azad Bahmani	N	N	N	N	N										Suspended p
59359	Behnam Johari	N	N	N	N	N										Suspended p
61255	Behrooz Saeidi				N	N										Suspended p
61120	Carolina Rosario Coelho Xavier de Carvalho				N	N	N								N	Suspended
59433	Daniel Gonçalves Pita Santos de Almeida					N										
61248	David Barros Leonardo					N										
61247	Diogo Filipe Cardoso Pereira															
61144	Fabio Rafael Martins de Oliveira					N										
59389	Florindo Miguel de Matos Canas				N	N										QUIT
61139	João Falé de Carvalho Madeira															
61206	Jorge Miguel da Silva Calado				N	N	N									
61257	Leandro Henrique Monteiro Filho					N										
61117	Luis Carlos Guimarães Lourenco				N	N	N									
61251	Miguel Alexandre Goncalves Lourenco					N										
61214	Rafael Joaquim Oliveira Rodrigues					N	N									
61106	Raquel Alexandra Abrantes Melo					N	N									
61204	Sepideh Kalateh Seifari					N										
61283	Seyed Masoud Ardestani				N	N										
59335	Yusef Ali				N	N	N									
61124	FERRIN BABU PULIKOTTIL				N	N										
61217	Walid Galoul	N	N	N	N	N										Suspended p



**This edition is also very late in terms of courses !
Nevertheless, the pandemic situation of COVID-19 might have caused some disturbance.**



Some students have not yet indicated their specialization area.

4.15 Edition of 2021/2022

Situation of the PhD students enrolled in 2021/2022 regarding the courses component:

Nº	Name	SRMT	EM	DC	RP	FO	AT cd	AT el	AT en	AT sp	AT cn	AT rim	AT cps	AT iis	AT tel	Graduated
64169	Adel Bakakria	N	N	N	N	N										Suspended p
63815	André Filipe Regus Grilo													N		
61740	Brunoslav Eduar Feijo Conceicao			N	N	N										
63874	Bruno de Monte Costa Rega			N	N	N								?		
63822	Bruno Rosa Marques Luis			N	N	N	N									
63855	Caterina Scatibelli			N	N	N		N								
64096	Cláudio André Silveira Dias			N	N	N								?		Suspended p
64185	Filipe Miguel de Sousa Dolores	N	N	N	N	N								?		Suspended
64187	François Xavier Parreira da Trindade		N	N	N	N						?				
63831	Hermenegildo da Silva Paim			N	N	N								N		
62032	João Pedro Gonçalves Soares				N	N										
64186	José de Campos Beato Aleixo	N	N	N	N	N								?		Suspended
64171	Katsumasa Hamada	N	N	N	N	N								?		Suspended p
61721	Leonardo Cavesse Zeferino Miúdo				N											
64103	Luciano Cavasse Zeferino Miúdo	N	N	N	N	N			?							
61562	Mohammad Amin Khodamoradi		N	N	N	N								N		
64184	Nelson Nascimento de Fátima				N											
63824	Paulo Elvino de Sousa Pina				N	N	N									
61572	Silvia Mantovani			N	N	N									N	
63957	Zahra Afkhami			N	N	N								?		Suspended p



This edition is also very late in terms of courses !



Many students have not yet indicated their specialization area.

4.15 Edition of 2022/2023

Situation of the PhD students enrolled in 2021/2022 regarding the courses component:

Nº	Name	SRMT	EM	DC	RP	FO	AT cd	AT el	AT en	AT sp	AT cn	AT rim	AT cps	AT iis	AT tel	Graduated
66790	Alexandre M. Manta da Costa															
66794	Ali Sousaraei															QUIT
66788	Dawod M. R. M. Al-Qadasi															Suspended p
64752	Dionisio Fama Noque															
64754	Eliham Kermanianmianandab															
66617	Emanuel A. C. Santos Mango															Suspended p
66815	Esmail Kondori															
66362	Eugene Ovruta															
64351	Furico A. M. Silva Clemente															
66806	Fernando J. C. C. Monteiro															Suspended p
64748	Inês Gonçalves S. Almeida															
66595	João Carlos Gaspar Araújo															
66804	João Pedro C. N. T. Patrício															
66641	Luís Miguel Lopes Mateus															
64353	Mafalda P. S. V. P. Rocha															
66645	Pedro Miguel Germano Viegas															
66597	Rafael Raza															
66678	Rafael Menezes de Barros															
64323	Saeed Akbari															
66816	Sarmanat Kavoolianfarimejany															
64662	YOUNIS TAHER KAID AHMED															Suspended p
66845	Zahra Ebadpour															



This edition is also very late in terms of courses !



Many students have not yet indicated their specialization area.

5. FINISHED THESES IN 2023 AND AWARDS

THESES

The following theses were concluded in 2023: 8

Nº	Name	Supervisor	Co-supervisor(s)	Theses in 2021
48801	Luis Miguel Gomes Tavares	José António Beltran Gerald	João Carlos Palma Goes	8 Feb 2023
48889	Shabnam Pasandideh	Luis Gomes	Pedro Pereira	8 Mar 2023
54815	Akashkumar Rajaram	Rui Dinis	Dushantha Nalin K. Jayakody	30 Mar 2023
51324	Andreia Filipa Valada Pereira Artífice	Ricardo Gonçalves	João Sarraipa	27 Oct 2023
51615	Paulo Jorge Passos Sérgio Lourenço	Manuela Vieira	Alessandro Fantoni	30 Oct 2023
38876	Maria Paula de Brito Graça	Luis Camarinha Matos		13 Dec 2023
53858	David Oliveira Borges	Paulo Montezuma de Carvalho	Marko Beko, Rui Dinis	22 Dec 2023
58902	Ayman Tayseer Abu Sabah	Rodolfo Oliveira		?



2 additional theses are waiting for public defense (viva).

AWARDS



Two of our students got awards in 2023:

Student: Luis A. Estrada-Jimenez
Supervisor: José Barata

Award:
Best student paper award at DoCEIS 2023

Paper: “A Bio-inspired and Altruistic-based Framework to Support Collaborative Healing in a Smart Manufacturing Shop-Floor”



Student: Paula Graça
Supervisor: Luis Camarinha-Matos

Award:
Best student paper award at PRO-VE 2023

Paper: “Influencing Collaboration in Sustainable Business Ecosystems”



6. SUPERVISION AND MONITORING

6.1 Supervisors, TACs, and research topics

The following tables show the situation of each student:

Edition of 2008/2009:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
30064	Ana Inês da Silva Oliveira	Collaborative Enterprise Networks	An environment to support negotiation and contracting in collaborative networks	José Barata Oliveira	Luis Camarinha Matos		Henrique O'Neill
30074	Carlos Manuel de Melo Agostinho	Industrial Information Systems	Sustainability of systems interoperability in dynamic business networks	A. Steiger Garção	Ricardo Gonçalves		Ricardo Chalmeta
30069	Daniel José Medronho Foito	Energy	Máquina de Indução no Aproveitamento de Energias Renováveis	M.Ventim Neves	João Martins	José Querido Maia	Vitor Fernão Pires
29760	David Duarte Pereira Inácio	Energy	Estudo do Motor em Disco com o Rotor em Alumínio e em Supercondutor Multi-semente	Anabela Pronto	M.Ventim Neves	Alfredo Álvarez Garcia (ext) João Murta Pina	António Dente
30068	Ezequiel Francisco do Vale Carvalho	Energy	A Integração do Veículo Eléctrico no Sistema Eléctrico Nacional	João Martins	M.Ventim Neves	José Alberto Sousa	João Paulo da Silva Catalão
30065	Filipa Alexandra Moreira Ferrada	Collaborative Enterprise Networks	Emotions-oriented monitoring system of collaborative networks	José Barata Oliveira	Luis Camarinha Matos		Henrique O'Neill
29588	Filipe André de Sousa Figueira Barata	Control and Decision	Control of distribution networks with demand side management	João Martins	Rui Neves-Silva		José Manuel Igreja
30073	João Filipe dos Santos Saraiva	Industrial Information Systems	Semantics adaptability for systems interoperability	A. Steiger Garção	Ricardo Gonçalves		Hervé Panetto
29586	João Paulo Machado Mendes	Energy	Modulador Híbrido de potência pulsada para aplicações médicas - O uso de semicondutores com linhas de transmissão	Luís Camarinha Matos	Luís Manuel Redondo	Manuela Vieira	Elmano da Fonseca Margato
30070	José Carlos de Ponte Ribeiro	Computational and Perceptual Systems	Exploração de diferentes semânticas na construção estruturada de modelos em redes de Petri e sua aplicação no desenvolvimento de sistemas embutidos	Luís Camarinha Matos	Luís Gomes	Fernando Manuel Melício	João Paulo Mestre Barros
30063	José Inácio Pinto Rosado Rocha	Computational and Perceptual Systems	System design optimization using real time genetic algorithm hardware implementations	João Goes	Luís Gomes	Octávio Páscoa Dias	Manuel Barata
30066	Luís Domingos Ferreira Ribeiro	Robotics and Integrated Manufacturing	Diagnosis in Evolvable Assembly Systems	Luís Camarinha Matos	José Barata Oliveira		Carlos Baptista Cardeira
30067	Pedro Miguel Ribeiro Pereira	Electronics	Projecto de osciladores LC controlados por tensão por utilização de técnicas de optimização	Fernando José Almeida Vieira do Coito	Maria Helena Silva Fino	Mário Fernando Ventim Neves	João Vaz
29768	Ruben Duarte Dias da Costa	Industrial Information Systems	A framework to support semantic enhancement of knowledge in collaborative engineering projects	José Barata Oliveira	Celson Lima	A. Steiger Garção	Paulo Rupino
30072	Sérgio Miguel da Silva Onofre	Computational and Perceptual Systems	Arquitectura de Referência para Sistemas Físicos Monitorados por Sensores	José Barata Oliveira	Pedro Sousa	João Paulo Pimentão	Ernestina Menasalvas
30040	Tiago José Monteiro Baptista Cabral Ferreira	Computational and Perceptual Systems	Reference architecture for maintainability and reliability systems	João Paulo Pimentão	Pedro Sousa	José Barata Oliveira	Ernestina Menasalvas

Edition of 2009/2010:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
33254	António Manuel Vieira Pombo	Energy	Planeamento multiobjectivo de sistemas em redes de distribuição	João Martins	Vitor Manuel de Carvalho Fernão Pires	João Murta Pina	Humberto Manuel Matos Jorge
32618	Carlos Manuel Ferreira Carvalho	Electronics	CMOS indoor light energy harvesting system for wireless sensing applications	João Goes	Nuno Paulino		Jorge Fernandes
32608	Edinei Santin	Electronics	A built-in Self-Test Technique for High Speed Analog-to-Digital Converters	Nuno Paulino	João Goes	Luís Oliveira	Jorge M. dos Santos Ribeiro Fernandes
33224	Eduardo Adelino Mateus Nunes Eusébio	Energy	Agentes comerciais no mercado de energia eléctrica		Jorge Alberto Mendes Sousa	Mário Fernando Ventim Neves	
32678	Elena Nikolaevna Baikova	Energy	Energy distribution by high-power high-frequency wireless methods	Fernando Coito	Stanimir Valtchev	Vitor Pires	Duarte de Mesquita e Sousa
33249	Fernando Joaquim Ganhão Pereira	Computational and Perceptual Systems	Petri nets and reconfigurable computing platforms	Aniko Katalin Horvath da Costa	Luís Gomes		Ricardo J. Machado
32574	Filipe de Carvalho Moutinho	Computational and Perceptual Systems	Petri Nets and heterogeneous distributed embedded systems design	Aniko Katalin Horvath da Costa	Luís Gomes		João Miguel Fernandes
33270	Francisco José Dinis de Sousa Fernandes Ganhão	Telecommunications	Cross-Layer design and optimization for power-efficient low earth orbit satellit	Paulo da Costa Luís da Fonseca Pinto	Rui Dinis	Luís Bernardo	Nuno M. Branco Souto
32552	Francisco Manuel Mendes da Silva Pina	Energy					
32590	João Carlos Ferreira de Almeida Casaleiro	Electronics	MOSFET - only radio receiver	João Carlos Palma Goes	Luís Oliveira		Manuel Medeiros Silva
32725	João Miguel Ferreira Caldas da Costa	Control and Decision	Classification and Analysis of Sleep Spindles	Adelino Rocha Ferreira da Silva	Manuel Ortigueira	Maria Teresa Aguiar dos Santos Paiva	António Serralheiro
33271	José Miguel Ferreira Preto Marques Luzio	Telecommunications	High efficiency transmission techniques for broadband wireless systems	Luís Filipe Lourenço Bernardo	Rui Dinis	Paulo Montezuma	João Marques Silva
32585	José Xavier Ferreira da Silva	Telecommunications	Computacional intelligence in space weather prediction for aviation	José Manuel Matos Ribeiro da Fonseca		Ivan Dorotovic	Luis Correia
33572	José Alberto Oliveira Lima	Energy	Real-time intelligent optimization and learning for intelligent buildings	José António Barata de Oliveira	João Martins	Celson Lima	Paulo Rupino
32564	Manuel Augusto Vieira	Electronics	Three transducers for one photo detector: essays for optical communication	Ricardo Luís Rosa Jardim Gonçalves	Paula Louro Antunes (ext)	A. Steiger Garção	Manuel Martins Barata
32612	Maria da Graça Vieira de Brito Almeida	Computational and Perceptual Systems	Image Processing for Displacement Measurements	André Teixeira Bento Damas Mora	José Manuel Fonseca	Fernando Manuel Melício	Arnaldo Joaquim Abrantes
32643	Miguel Bacelar de Sousa Carneiro	Processamento de Sinais	Automatic sleep stage classification using electroencephalography (EEG) signal analysis		Arnaldo Batista	Manuel Ortigueira	
32733	Pedro Jorge Cristina Mendes	Robotics and Integrated Manufacturing					
33331	Pedro José Ambrósio Lobato	Energy	A Máquina eléctrica de relutância comutada - análise de funcionamento como gerador em aproveitamentos eólicos	Mário Fernando Ventim Neves	Armando Pires (ext)	João Martins	Joaquim António F. Gonçalves Dente
32566	Raul Figueiredo Cordeiro de Magalhães Correia	Computational and Perceptual Systems	Euronet Lab a cloud V-Lab Environment	Luis Gomes	José Manuel Fonseca	Andrew Donnellan (ext)	Amine Bergia
32719	Rui Manuel Carvalho dos Santos Azevedo Antunes	Control and Decision	Controlo em Sistemas de Interacção Humano-Máquina	(pre-Bologna)	Luis Palma	Herminio Duarte Ramos	
33332	Silviano Francisco dos Santos Rafael	Energy	Controlo de posição angular de uma máquina eléctrica de relutância comutada 8/6	Fernando Coito	Armando Pires (ext)	Steiger Garção / Paulo José Costa Branco (ext)	Joaquim A. Fraga Gonçalves Dente

32656	Sveltana Roudolfovna Chemetova	Energy	Estimação de padrões de consumo de energia eléctrica	João Miguel Murta Pina	Paulo Jorge da Costa Santos (ext)	M. Ventim Neves	Jorge Alberto Mendes de Sousa
32584	Vitor Manuel de Oliveira Fialho	Electronics	Estudo e optimização do ruído de fase em osciladores locais para comunicação sem fios	Luís Augusto Bica Gomes de Oliveira	Fernando M-Ascenso Fortes (ext)	Manuela Vieira	Mário Vestas
33490	Eduardo Manuel Ferreira Morais Pinto	Robotics and Integrated Manufacturing	Cooperation in multi-ambient swarm robots	Luís Manuel Camarinha de Matos	José Barata Oliveira		Jorge Manuel Miranda Dias

Note: Students 32585 and 32733 no longer have a supervisor, as they are not contactable for a long time.



As shown in the above table, some students from 2009/2010 still **do not have a TAC**, which is not acceptable, but probably have quit!

Some lost their supervisor due to being inactive and probably have quit.

Edition of 2010/2011:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
35499	Blazej Nowacki	Electronics	Design of sigma-delta modulators for analog-to-digital conversion intensively using passive switched-capacitor circuits	João Pedro Abreu de Oliveira	Nuno Filipe Silva Veríssimo Paulino	João Carlos Palma Goes	Jorge Manuel Correia Guilherme
34339	Ehsan Shahamatnia	Industrial Information Systems	Automatic solar feature characterization and tracking	José Manuel Fonseca	Rita Ribeiro	Ivan Dorotovic (ext)	João Fernandes
35122	Hugo Tito Condeiro	Signal Processing	Reconhecimento de patologias da voz usando técnicas de processamento da fala	André Mora	Carlos Eduardo de Meneses Ribeiro (ext)	José Manuel Fonseca	Isabel Cristina Ramos Peixoto Guimarães
35771	Ivan Iuri Alves Bastos (a)	Electronics	MOSFET-only low noise amplifiers	João Carlos Palma Goes	Luís Augusto Bica Gomes de Oliveira	Manuel de Medeiros Silva (ext)	Jorge Manuel Ribeiro dos Santos
35831	João Luis Alvernaz de Melo (a)	Electronics	Design of a low cost CMOS modulator for class D audio power amplifiers with very high efficiency	João Pedro Abreu de Oliveira	Nuno Filipe Silva Veríssimo Paulino	João Carlos Palma Goes	Marcelino Bicho dos Santos
35719	João Tiago Vieira de Sousa Virote *	Control and Decision	Methodologies for optimal control of networked distributed systems				
35171	Magno Edgar da Silva Guedes *	Robotics and Integrated Manufacturing	Analysis of operator's behaviors in working places				
35276	Manuel Fernandes Carvalho *	Industrial Information Systems	Algoritmo de aprendizagem automática para construção de variáveis linguísticas para sistemas de monitorização				
35666	Nuno Miguel Abreu Luis	Telecommunications	Medium Access Control Design for Distributed Opportunistic Radio Networks	Luis Bernardo	Rodolfo Alexandre Duarte Oliveira	Rui Miguel H. Dias Morgado Dinis	Paulo Marques
35208	Pedro Mendes de Lacerda Peixoto de Magalhães	Energy	Control and demand-oriented optimization of photovoltaic-thermal (PV-T) solar collectors	Fernando J. Almeida Vieira Coito	João Francisco Alves Martins	António Joyce (ext)	António Gomes Martins
35661	Rogério Alexandre Botelho Campos Rebelo	Computational and Perceptual Systems	Petri nets and human-system interactions design	Luis Palma	Luís Filipe Santos Gomes	Aniko K. Horvath da Costa	João Paulo Barros
33761	Somayeh Abdollahvand	Electronics	Design of high-performance low-noise and low-power mixed-signal CMOS circuits employing self-biasing and low-voltage techniques	Luis Oliveira	João Carlos Palma Goes	Luís F. S. Gomes	José Soares Augusto
35851	Vitor Manuel Guerra Vaz do Silveira (a)	Electronics	Demultiplexing optical communications with visible light selector	Rui Tavares	Manuela Vieira	Manuel Martins Barata (ext)	João M. Serra



Students 35719, 35171 and 35276 apparently quit but have not formalized their withdrawal yet. They no longer have a supervisor, as they are not contactable for a long time.

Edition of 2011/2012:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
38744	Carlos Eduardo Dias Coutinho (a)	Industrial Information Systems	(Transição pré-Bolonha) NEGOSEIO: Framework for the Sustainability of Model-oriented Enterprise Interoperability		Ricardo Gonçalves	Adina-Georgeta Bratu Cretan (ext)	
38070	Fábio José Pinto da Silva	Telecommunications	Users and Channel Estimation for Network Diversity Multiple Access	Rodolfo Alexandre Duarte Oliveira	Rui Dinis	Paulo Montezuma Carvalho	Francisco Cercas
38345	Fernando Luís Lourenço Ferreira	Computational and Perceptual Systems	Framework for knowledge Management based on Neuroscience Models	João Martins	Ricardo Gonçalves		Pedro Santos Pinto Gamito
38346	José Alexandre Pires Ferreira	Industrial Information Systems	Monitoring morphisms to support sustainable interoperability of networked enterprise systems	José Barata Oliveira	Ricardo Gonçalves	Carlos Manuel Melo Agostinho (ext)	João Pedro Mendonça de Assunção da Silva
38996	Luís Miguel Rego Pires (b)	Electronics	Ultra-low power RF CMOS digital transceiver using parametric signal conversion in nano-scale CMOS technology	João Carlos da Palma Goes	João Pedro Oliveira		Jorge Manuel Correia Guilherme
38876	Maria Paula de Brito Graça (b)	Collaborative Enterprise Networks	Performance Indicators for Collaborative Business Ecosystems	João Martins	Luís Camarinha Matos		António Abreu
38050	Massimiliano Zanin	Computational and Perceptual Systems	Complex networks and data mining: toward a new perspective for the understanding of complex systems	Luís Camarinha Matos	Pedro Sousa	Stefano Boccaletti (ext)	Ernestina Menasalvas
38690	Miguel Alexandre Sousa Ferro de Beca	Industrial Information Systems	Framework to facilitate the discovery of data sources using semantic web principles	José Barata Oliveira	Ricardo Gonçalves	Adina-Georgeta Bratu Cretan (ext)	João Pedro Mendonça de Assunção da Silva
38980	Miguel Pinto Campilho Gonçalves (b)	Electronics	Automated flat circuit-level topology generation	Nuno Paulino	Rui Santos Favares	João Goes	Nuno Cavaco Gomes Horta
38728	Nuno Manuel Ortega Amaro	Energy	Superconducting Magnetic Energy Storage (SMES) for power quality applications	Mário Ventim Neves	João Murta Pina	José Ceballos Martínez (ext) + João Martins	Victor Fernão Pires
38972	Raúl Eduardo Capela Tello Rato (a)(c)	Signal Processing	Formalização da tolerância à ausência de dados do processamento de sinais discretos		(self-supervised)		
38691	Rui Alexandre Neves Monteiro	Energy	Wireless energy transfer for robotic purposes	Fernando Coito	Stanimir Valtchev	Mário Rui Melício da Conceição (ext)	Victor Manuel Fernandes Mendes
38049	Schering Scholten	Industrial Information Systems	Efficient embedded services applying context awareness for agile manufacturing	Luís Manuel Camarinha Matos	José Barata		Edmundo Monteiro
38184	Sudeep Ghimire	Industrial Information Systems	Self-* Framework for service system	João Goes	Ricardo Gonçalves	António C. Bárbara Grilo	Ricardo Jorge Silvério de Magalhães Machado
37772	Tahereh Nadjati	Computational and Perceptual Systems	A new MDA-SOA framework for intercloud interoperability	José Barata Oliveira	Ricardo Gonçalves		João Pedro Mendonça de Assunção da Silva
38063	Vasco Miguel Delgado Gomes	Industrial Information Systems	A framework to support standard-based communication between the heterogeneous building-related systems	Ricardo Luís Rosa Jardim Gonçalves	Celson Pantoja Lima (ext)	João Martins + Paul Nicolae Borza (ext)	Silvio Mariano

- (a) From pre-Bolonha
 (b) Entered in the 2nd phase
 (c) Self-supervised

Edition of 2012/2013:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
41203	Ali Abdollahy Gharbali	Signal Processing	Biomedical Signal Processing	Rui Neves Silva	José Manuel Fonseca		André Lourenço

41185	António Eduardo Carreiro Furtado	Telecomunicações	Advanced PHY/MAC design for infrastructure-less wireless networks	Luís Filipe Lourenço Bernardo	Rodolfo Oliveira	Rui Dinis	Pedro Joaquim Amaro Sebastião
40964	Catarina Inês Marques de Lucena	Industrial Information Systems	Semantic adaptation of knowledge representation systems	João Francisco Alves Martins	Ricardo Gonçalves	João Filipe dos Santos Sarraipa (ext)	Teresa Cristina de Freitas Gonçalves
41116	Eduardo José Resende Ortigueira	Electronics	Wideband Oscillators Synchronized by a magnetic nano-oscillator	João Carlos Palma Goes	Luís Oliveira	Jorge Manuel dos Santos Ribeiro Fernandes (ext)	Igor Filanovski
41189	Fábio Emanuel Pais Januário	Control and Decision	Resilient control systems over wireless sensor and actuator networks: a multi-agent based approach	Luís Filipe Santos Gomes	Paulo Gil	Alberto Jorge Lebre Cardoso (ext)	Mário José Gonçalves Cavaco Mendes
41159	Hamidreza Toileh Joe Forush Tusi	Control and Decision					
41192	Hugo Alexandre de Andrade Serra	Electronics	Design of switched-capacitor filters using low gain amplifiers in advanced CMOS technologies	João Pedro Abreu de Oliveira	Nuno Paulino		Nuno Cavaco Gomes Horta
41071	João Francisco Martinho Lêdo Guerreiro	Telecommunications	Optimum performance and sub-optimal receivers for OFDM signals	Rodolfo Alexandre Duarte Oliveira	Rui Dinis	Paulo Montezuma	Marco Cravo Gomes
40662	Luís Filipe Romba Jorge	Energy	Wireless power transfer in polyphase systems with optimized control	Fernando Coito	Stanimir Valtchev	Mário Rui Melício da Conceição (ext)	Victor Manuel Fernandes Mendes
41199	Nuno Manuel Gonçalves Vilhena	Energy	Contribution for the study of integration of the saturated cores fault current limiters in electrical distribution grids	João Francisco Alves Martins	João Murta Pina	Anabela Pronto + Alfredo Álvarez García (ext)	Antonio Morandi
41200	Pedro Miguel Lucas Arsenio	Energy	Contribution for the study of inductive fault current limiters in distribution electric grids	João Martins	João Murta Pina	Anabela Pronto + Alfredo Álvarez García (ext)	Istvan Vajda
41430	Ricardo André Martins Mendonça	Robotics and Integrated Manufacturing	Framework for swarm cognition	José Manuel Fonseca	José Barata Oliveira	Pedro Figueiredo Santana (ext)	João Ascenso
41198	Rui Miguel Amaral Lopes	Energy	Gestão de energia em edifícios no contexto da internet of things	Luís Filipe Santos Gomes	Celson Lima (ext)	João Martins + Daniel Aelenei (ext)	João Peças Lopes
41507	Slavisa Tomic	Telecommunications	Cognitive radio	Paulo Montezuma Carvalho	Marko Beko	Rui Dinis	Fernando Duarte Nunes

Apparently, student 41159 has quit, but he didn't formalize his withdrawal.

Edition of 2013/2014:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
43945	André Dionísio Bettencourt da Silva Rocha	Robotics and Integrated Manufacturing	An architecture for self-organizing conveyor-based material handling systems	Ricardo Gonçalves	José Barata Oliveira	Luis Domingos Ribeiro (ext)	Paulo Leitão
44429	Edgar Miguel Felício Oliveira da Silva (a)	Computational and Perceptual Systems	A multi criteria co-design for cyber-physical systems	João Francisco Alves Martins	Ricardo Luis Rosa Jardim Gonçalves		João Pedro Mendonça da Silva
43962	Elsa Maria Marcelino de Jesus	Industrial Information Systems	Knowledge-based framework for an effective technology transfer from research to industry	Anabela Monteiro Gonçalves Pronto	Ricardo Gonçalves		João Pedro Mendonça da Silva
43984	Frederico João Gonçalves dos Santos Branco Martins	Energy					
44089	Kevin Pierre Nagorny	Robotics and Integrated Manufacturing	Service Oriented architecture based manufacturing to support product life-cycle	Pedro Sousa	José Barata Oliveira	Armando Walter Colombo	Luis Domingos Ferreira Ribeiro
43582	Leonardo Pedro Donas-Boto Vilhena Martins	Computational and Perceptual Systems	Study of the kinetics of asymmetric disposal of aggregates in cell division and its correlation to functional aging	André Teixeira Bento Damas Mora	José Manuel Fonseca	André Sanchez Ribeiro	Adriano José Alves de Oliveira Henriques

			in vivo measurements, one event at a time				
44126	Mário Rui Monteiro Marques	Control and Decision	Model Reference for USV	José António Barata de Oliveira	Fernando Coito	Victor José de Almeida e Sousa Lobo	António Joaquim dos Santos Serralheiro
44154	Nuno Rúben Ferreira Pereira	Electronics	Design of analog-to-digital converters with embedded mixing for ultra-low-power	Rui Dinis	João Goes		Jorge Manuel Ribeiro Fernandes
44173	Thais Andrea Baldissera (a)	Collaborative Enterprise Networks	Personalization and evolution of collaborative business services	Rita A. Ribeiro	Luis M. Camarinha-Matos		Patrícia Alexandra de Pires Macedo

(a) Started in the 2nd semester

Apparently, student 43984 has quit, but he didn't formalize his withdrawal.

Edition of 2014/2015:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
46574	Ana Paula Pinto Correia	Electronics	A paradigm shift in the design of analog circuits targeting nano-scale CMOS and large-scale TFT technologies	João Pedro Abreu de Oliveira	João Carlos Palma Goes	Pedro Miguel C. Barquinha (ext)	Vitor Manuel Grade Tavares
46657	André Filipe Lopes Lourenço	Robotics and Integrated Manufacturing					
46416	António Jorge Teixeira Falcão	Industrial Information Systems	Innovative Methods for Visualisation & Correlation of Large Scale Connected Object Data		Maria Rita Sarmento de Almeida Ribeiro		
46560	Artem Artemovych Nazarenko	Collaborative Enterprise Networks	Collaborative cyber-physical systems	Luís Filipe Santos Gomes	Luís Manuel Camarinha de Matos		Patrícia Alexandra de Pires Macedo
46316	Bruno Augusti Muzumatti	Industrial Information Systems	A framework to improve security and privacy on the Internet of Things	Anabela Monteiro Gonçalves Pronto	Ricardo Luís Rosa Jardim Gonçalves	João Francisco Alves Martins	Bruno Andò
46575	Milica Marikj	Telecommunications					
46581	Nasrin Vafaei	Collaborative Enterprise Networks	Data Normalization in Decision Making Processes	José M. Fonseca	Rita A. Ribeiro	Luís Manuel Camarinha de Matos	Leonilde Varela
46678	Paulo Alex Figueiredo	Industrial Information Systems	Multi-source Big Data Fusion Driven Proactivity for Intelligent Mobility	Anabela Gonçalves Pronto	Ricardo Luís Rosa Jardim Gonçalves	João Moura Pires	Celson Pantoja Lima
46651	Shirin Najdi	Signal Processing	Feature Selection in Sleep Stage Classification	Rita Ribeiro	José Manuel Matos Ribeiro da Fonseca		Rui Ferreira Silva
46324	Vagner Savegnago Schaefer	Energy	Comfort and energy efficiency in service buildings	Ricardo Gonçalves	João Francisco Alves Martins		Celson Pantoja Lima



Some students do not have CAT and /or supervisor yet, but apparently have quit.

Edition of 2015/2016:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
48978	Adriano Manuel Alves Ferreira (a)	Robotics and Integrated Manufacturing	Self-sustainable Holonic Multi-Agent System Management in Smart Electrical Microgrids	Ricardo Gonçalves		Paulo Leitão	Thomas Strasser
49139	Anselmo Rafael Cukla (b)	Robotics and Integrated Manufacturing	Robôs Manipuladores Baseados em Módulos Mecatrônicos		Eduardo André Perondi	José Barata	
48872	José Teixeira Gonçalves	Energy	Desenvolvimento de um Retificador Trifásico Híbrido Unidirecional com Conversor Boost	Luis Camarinha-Matos	Stanimir Stoyanov Valtchev	Frede Blaabjerg + Rui Melício	Vitor Mendes
48895	Kankam Okatakyie Adu-Kankam	Collaborative Enterprise Networks	A Contribution to Collaborative Renewable Energy Ecosystems	João Martins	Luis Camarinha-Matos		Patrícia Macedo
48801	Luis Miguel Gomes Tavares	Electronics	Optimal sparsity bases for Compressed Sensing application to Cognitive Radio Spectrum Sensing	Paulo Montezuma Carvalho	José António Beltran Gerald	João Carlos Palma Goes	Vitor Mendes Silva
48305	Luis Miguel do Rosário Irijo	Telecommunications	Interference Characterization in Advanced Wireless Communication Systems	Rui Miguel Henriques Dias Morgado Dinis	Rodolfo Alexandre Duarte Oliveira		Francisco António Bucho Cercas
48938	Majid Zamiri	Collaborative Enterprise Networks	Mass Collaboration and Learning: Structure and Methods	Ricardo Gonçalves	Luis Camarinha-Matos		António Abreu
48855	Masoomeh Ramezani	Collaborative Enterprise Networks	Collaborative Networks and Disruptive Environments				
48833	Márcio José Moutinho da Costa (b)	Industry Information Systems	Referencial Semântico da Identificação Botânica de Espécies Amazônicas		Celson Lima	Ricardo Gonçalves	
48995	Miguel de Lima Teixeira	Electronics	Neuro-Inspired Ultra-low-power CMOS Electronic System (mW range) for ECG and BMI Applications	João Pedro Abreu de Oliveira	João Carlos Palma Goes	José Carlos Príncipe	Vitor Manuel Grade Tavares
48884	Nuno Ricardo Zacarias Ramos	Industry Information Systems					
49015	Pedro Miguel Lima Moutinho	Robotics and Integrated Manufacturing	Energy monitoring and optimization framework - Complex networks approach	José António Barata de Oliveira	Pedro Sousa		Ernestina Menasalvas
49030	Ricardo Alexandre Fernandes da Silva Peres	Robotics and Integrated Manufacturing	An Intelligent Predictive Maintenance Approach for Evolvable Smart Systems	Ricardo Luís Rosa Jardim Gonçalves	José Barata	Paulo Leitão	Carlos Baptista Cardeira
48889	Shabnam Pasandideh	Computational and Perceptual Systems	A framework for designing resilient cyber physical social system	João Martins	Luis Gomes	Pedro Pereira	João Paulo Barros



3 students do not have TAC or supervisor yet, but apparently have quit.

Edition of 2016/2017:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
51334	Adriana Mar Brazuna de Jesus	Energy	The use of cooperative NZEB communities to improve the grid resilience	Luis Camarinha-Matos	João Martins	Pedro Pereira	Sílvio José Mariano
51324	Andreia Filipa Valada Pereira Artifice	Industry Information Systems	Smart systems to enhance student's cognitive skills	João Martins	Ricardo Gonçalves	João Sarraipa	Yacine Ouzrout
51567	Jose Roberto Branco Ramos Filho (a)	Industry Information Systems	Um modelo conceitual de ecossistema de inovação baseado em fluxo de conhecimento		(Supervisor in Brazil)	Ricardo Gonçalves	

51477	Koorosh Aslansefat						
51615	Paulo Jorge Passos Sério Lourenço	Electronics	Amorphous Silicon Photonics Waveguides	João Goes	Manuela Vieira	Alessandro Fantoni	José Figueredo
49331	Ricardo Fale de Carvalho Madeira	Electronics	Study of fully integrated energy harvesting power management units (PMUs) for internet of things (IoT) applications	Luis Oliveira	Nuno Paulino		Jorge M. dos Santos Ribeiro Fernandes

(a) Dual PhD with Federal University of Para, Brazil



1 student has not proposed a supervisor yet (although it appears that he has quit the program).

Edition of 2017/2018:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
53892	Ainoor Teimoorzadeh						
53858	David Oliveira Borges	Telecommunications	Design of low complexity receivers for massive MIMO systems	Luis Bernardo	Paulo Montezuma de Carvalho	Marko Beko, Rui Dinis	Pedro Joaquim Amaro Sebastião
54003	Duarte José Marques Almeida	Robotics and Integrated Manufacturing		Ricardo Gonçalves	José Barata	André Rocha	Paulo Leitão
54352	Fawaz Saleem Hassan Al-Jobory (a)	Enterprise Collaborative Networks					
53820	João Carlos de Fraga Gião da Silva	Industry Information Systems	A distributed Ledger Based Framework for Ensuring IoT Data Integrity	Anabela Pronto	João Sarraipa	Ricardo Gonçalves	Nejib Moalla
53873	João Pedro Leal Abalada de Matos Carvalho	Computational and Perceptual Systems	Land-cover classification using image texture dynamic features	Rui Neves Silva	José Manuel Fonseca	André Mora	Arnaldo Joaquim Castro Abrantes
53967	José Augusto Leite	Energy					
53856	José Manuel Lima D'Oliveira	Energy					
53556	Mohammad Reza Shahrokhi Yezaneh	Enterprise Collaborative Networks					
52272	Mohammadhassan Abdollahi Sofla	Energy					
54130	Nuno Miguel Mendes Correia	Electronics					



Most students have not proposed a supervisor yet. Most of them do not have TAC yet! This situation needs to be solved urgently (probably have quit).

Edition of 2018/2019:

TAC

Nº	Name	Specialization	Thesis title (tentative)	Chair	Supervisor	Co-supervisor	External member
54815	Akashkumar Rajaram	Telecommunications	RF Energy Harvesting Techniques for Massive MIMO Systems in 5G Networks	Rodolfo Oliveira	Rui Dinis	Dushantha Nalin K. Jayakody	Francisco António Cercas (ISCTE)
56656	Alcides Teixeira Gonçalves	Energy					
55073	Aminsh Mesandammi	Telecommunications					
56413	Carolina Isabel Legarinho de Oliveira	Computational and Perceptual Systems	Model-driven development of dependable systems	Anikó Costa	Luis Gomes	Filipe Moutinho	Alberto Cardoso
54753	Dário Filipe Romana Pedro	Computational and Perceptual Systems	Collision Avoidance on Autonomous Vehicles utilizing Deep Neural Networks	Luis Oliveira	José Manuel Fonseca	André Mora	Luis Correia
56395	Fábio Adriano Seixas Lopes	Industry Information Systems		José Barata	Ricardo Jardim-Gonçalves		Raul Poler
56370	Guilherme André Marques Gusmeira	Industry Information Systems					
56365	Hugo André dos Santos Antunes	Industry Information Systems					
56412	Humberto Almeida de Queiroz	Energy	Methodology for the Characterization and use of energy flexibility	Luis Camarinha-Matos	João Martins	Rui Lopes	Silvio Mariano
54822	Nastaran Farhadi Ghalati	Robotics and Integrated Manufacturing					
56437	Peiman Behbahani Nouradinejad	Robotics and Integrated Manufacturing					
56275	Sonia Hosseinpour	Energy		Luis Camarinha-Matos	João Martins		Vitor Pires



Most students have not proposed a **supervisor** yet.
Most of them do not have TAC yet!
 This situation needs to be solved.

Edition of 2019/2020:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
58917	Ali Gashtasbi	Telecommunications			Rui Dinis	Mário Marques Silva	
58902	Ayman Tayseer Ali Abu Sabah	Telecommunications	PHY/MAC Design of Future Small Cells Adopting Multi-Packet Reception and Full-Duplex Communications	Luis Bernardo	Rodolfo Oliveira		Periklis Chatzimisios
59034	Carlos Nuno de Paiva Marques						
58990	Daniel Viana Dias	Energy	Study of the impact of electric vehicles integration on energy flexibility	Ricardo Gonçalves	João Martins	Rui Amaral Lopes	Carlos Silva
58859	Dixar Salah Fadil	Telecommunications	Traffic Analytics for Packet Networks	Luis Bernardo	Rodolfo Oliveira		Susana Sargento
58816	João Eduardo Albuquerque Martins Pereira Pires	Computational and Perceptual Systems	Fusion of Earth Observation Satellites Data to improve Forest Height and Aboveground Biomass Estimation	Rui Tavares	André Mora	João Silva, José M. Fonseca	Juan Guerra-Hernandez
57424	Kwabena Amoako Kveremeh						
58986	Luis Alberto Estrada Jimenez	Robotics and Integrated Manufacturing		Pedro Sousa	José Barata		Pedro Santana

59004	Pedro Correia Ferreira	Industry Information Systems			Ricardo Jardim-Gonçalves	Albino Oliveira-Maia + Fernando Luis Ferreira	
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Some students have not proposed a supervisor yet. 4 students do not have TAC yet. Several of them have not chosen a specialization area yet!

Edition of 2020/2021:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
61395	Azad Bahmani						
59359	Behnam Jafari						
61255	Behrooz Saei M.	Telecommunications	Cybersecurity in power plants: Deception of attackers; Honeypots decoy tactics		Luis Bernardo	Pedro Amaral	
61120	Carolina Rosario Coelho Xavier de Carvalho	Decision and Control					
59433	Daniel Gonçalves Pita Santos de Almeida	Electronics	Integrated Plasmonic Biosensor System based on Amorphous Silicon Compounds	João Goes	Manuela Vieira	Alessandro Fantoni + João Costa	Guiomar Evans
61248	David Barros Leonardo	Electronics			João Goes	João P. Oliveira	
61247	Diogo Filipe Cardoso Pereira	Telecommunications		Rui Dinis	Rodolfo Oliveira		Francisco Monteiro
61144	Fábio Rafael Martins de Oliveira	Robotics and Integrated Manufacturing					
61139	João Falé de Carvalho Madeira	Telecommunications	High Performance Secure WWireless Communications	Luis Bernardo	Rui Dinis	João Guerreiro	João Marques Silva
61206	Jorge Miguel da Silva Colado	Industry Information Systems			João Sarraipa	Ricardo Jardim Gonçalves	
61257	Leandro Henrique Monteiro Filipe	Robotics and Integrated Manufacturing					
61117	Luis Carlos Guimarães Lourenco	Industry Information Systems					
61251	Miguel Alexandre Gonçalves Lourenco	Computational and Perceptual Systems	A Multi-sensor IoT Node Integrated in an Innovative Decision Support System based on GIS Technology in Wildfire Context		Luis Oliveira	Henrique Oliveira	
61214	Rafael Joaquim Oliveira Rodrigues	Computational and Perceptual Systems			João Sarraipa	Ricardo Jardim Gonçalves	
61106	Raquel Alexandra Abrantes Melo	Industry Information Systems					
61204	Senidsh Kalotsh Seifari	Robotics and Integrated Manufacturing					
61283	Seyed Masoud Ardeshari	Energy		Anabela Pronto	João Murta Pina	Roberto Oliveira	Guilherme Sotelo
59335	Shuai Liu	Perceptual and Computational Systems			José M. Fonseca	André Mora	
61124	TERRIN BABU PULIKOTTIL	Robotics and Integrated Manufacturing					
61217	Walid Galoul						



Most students have not proposed a supervisor yet.
Several of them have not chosen a specialization area yet!

Edition of 2021/2022:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
64169	Adel Bakakria						
63815	André Filipe Pegas Grilo	Industry Information Systems					
61740	Branislav Edgar Feijó Candeia						
63874	Bruno do Monte Costa Rêga						
63822	Bruno Rosa Marques Luis	Decision and Control					
63855	Caterina Serafinelli	Electronics	Development of a new LSPR based immunosensor for virus Screening Air Flow Environment	Manuela Vieira	Alessandro Fantoni		Elisabete Alegria
64096	Diogo André Silveiras Dias						
64185	Filipe Miguel de Sousa Dolores						
64187	Francisco Santos Ferreira de Oliveira Neves						
63831	Hermenegildo da Silva Daim	Industry Information Systems	Information Systems for Collaborative Energy Ecosystems		Luis Camarinha-Matos	Filipa Ferrada	
62032	João Pedro Gouveia Xavier	Electronics	Mostly-passive, highly digital, capacitive-to-digital converter (C2D) based on an incremental delta-sigma modulator (IDSM) with noise-cancellation		João Carlos da Palma Goes	Pedro Miguel Cândido Barquinha	
64186	José de Campos Duarte Marujo						
64171	Latamene Hamdaoui						
61721	Leonardo Cayesse Zeferino Miúdo	Energy	Controlo de fluxo de potência em redes de transporte com reator supercondutor de núcleos saturados	Anabela Monteiro Gonçalves Pronto	João Murta Pina	Nuno Amaro	Wescley Tiago Batista de Sousa
64103	Luciano Guvulo Kishiro Ito						
61562	Mohammad Amin Khodamoradi	Industry Information Systems					
64184	Nelson Nascimento de Freitas						
63824	Paulo Elvino de Sousa Bina	Decision and Control	Modelling complexities of human influence in strategic decision-making		Rui Neves Silva		
61572	Shiva Majidzadeh	Telecommunications	Improved resource management security for future networks		Rodolfo Oliveira	João Barraca + Pedro Amaral	
63957	Zahra Alkhani						



Most students have not proposed a **supervisor** and **CAT** yet.
Several of them have not chosen a specialization area yet!
 COVID-19 can justify the situation, but it needs to be solved urgently.

Edition of 2022/2023:

Nº	Name	Specialization	Thesis title (tentative)	TAC			
				Chair	Supervisor	Co-supervisor	External member
66790	Alexandre M. Manta da Costa	Robotics and Integrated Manufacturing					
66788	Dawod M. R. M. Al-Qadasi						
64752	Dionisio Fama Noque	Enterprise Collaborative Networks					
64754	Erfani Kermanianmiandoab						
66617	Emanuel A. C. Santos Mango	Energy	Green Hydrogen Production and Sensing Methods with Enhanced Efficiency		Stan Valtchev	Rui Lobo, Manuela Vieira	
66815	Esmail Kondori						
66362	Eugene Owilla	Telecommunications	VAE Applications in Future Generation Wireless Networks		Rodolfo Oliveira		
64351	Enrico A. M. Silva Clemente						
66806	Fernando J. C. C. Monteiro						
64748	Inês Gonçalves S. Almeida	Telecommunications	Channel Estimation Using Machine Learning Techniques for Extremely Large Antenna Arrays	Luis Bernardo	Rui Dinis	João Guerreiro	Mário Silva
66595	João Carlos Gaspar Araújo	Electronics	Application-specific integrated-circuit (ASIC) for model predictive control (MPC) targeting spectroscopic applications		Luis Oliveira	Filipe Silva, Bruno Guerreiro	
66804	João Pedro C. N. T. Patrício						
66641	Luís Miguel Lopes Mateus						
64353	Maíalda P. S. V. P. Rocha						
66645	Pedro Miguel Germano Viegas						
66597	Qamar Raza						
66678	Rafael Menezes de Barros						
64323	Saeed Akbari	Energy	Development of sustainable strategies for Net Zero Energy Buildings and User Energy Awareness using Smart Appliances	José Barata	João Martins	Luis Camarinha Matos, Giovanni Petrone	Carlos Henggeler
66816	Samaneh Rasoolianafmejani	Electronics					
64662	YOUNIS TAHER KAID AHMED						



Most students have not proposed a **supervisor** and **CAT** yet.
Several of them have not chosen a specialization area yet!

6.2 Annual Progress Reports

According to the Deliberation of the Scientific Council 1/CC/2010:

“All PhD students of FCT-UNL must elaborate an **annual progress report**, which needs to be accompanied by an assessment of the supervisor or supervisors.

*This report, together with the **assessment report from the supervisor(s)** and **assessment report from the thesis accompanying committee** (when it exists), shall be sent to the Coordinator of the PhD Program up to 2 months after the end of the academic year.*

In case any of the assessment reports considers there is insufficient progress, such assessment shall be communicated to the student.

*The PhD Program **Coordinator** will **check the report** and send it, together with the assessment reports, to the Academic Office.*

The check of the annual report by the Scientific Council as foreseen in the internal regulation 3/CC/FCT/2006 and in art. 23.º of Law 216/92 of 13 October, is delegated in the Coordinator of the PhD Program.”

According to a more recent deliberation, the progress reports shall be scanned and uploaded in the CLIP system. **PhD students cannot submit their theses if the progress reports are not available and properly registered in CLIP.**

The situation regarding the progress reports is the following:

Edition of 2008 / 2009:

Nº	Name	Annual Progress Report															
		2008 /09	2009 /10	2010 /11	2011 /12	2012 /13	2013 /14	2014 /15	2015 /16	2016 /17	2017 /18	2018 /19	2019 /20	2020 /21	2021 /22	2022/23	
30064	Ana Inês da Silva Oliveira	✓	✓	✓	✓	✓	✓	✓									Finished
30074	Carlos Manuel de Melo Acostinho	✓	✓	✓													Finished
30069	Daniel José Medronho Fogo	✓	✓	✓	✓	✓	✓										Finished
29760	David Duarte Pereira Inácio	✓	✓	✓	✓	✓	✓										Finished
30068	Ezequiel Francisco do Vale Carvalho	✓	✓	✓	✓	✓	✓										Finished
30065	Filipa Alexandra Moreira Ferrada	✓	✓	✓	✓	✓	✓	✓	✓								Finished
29588	Filipe André de Sousa Figueira Barata	✓	✓	✓	✓	✓	✓										Finished
30073	João Filipe dos Santos Sarraipa	✓	✓	✓	✓												Finished
29586	João Paulo Machado Mendes	✓	✓	✓	✓	✓	✓	✓	✓	✓							Finished
30070	José Carlos de Ponte Ribeiro	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				Finished
30063	José Inácio Pinto Rosado Rocha	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				Finished
30066	Luis Domingos Ferreira Ribeiro	✓	✓														Finished

29770	Nuno Alexandre Soares Domingues	✓	✓	✓	✓	✓	✓	✓											Finished
30067	Pedro Miguel Ribeiro Pereira	✓	✓	✓	✓														Finished
30137	Raúl Eduardo Capela Tello Rato	✓	✓	✓	✓														Finished
29768	Ruben Duarte Dias da Costa	✓	✓	✓	✓	✓	✓												Finished
30072	Sérgio Miguel da Silva Onofre	✓	✓	✓	✓	✓	✓	✓	✓										Finished
30040	Tiago José Monteiro Baptista Cabral Ferreira	✓	✓	✓	✓	✓	✓	✓	✓	✓									



A few students (as well as their supervisors and TACs) have not submitted the annual reports, despite being warned of being late.

Edition of 2009/2010:

Nº	Name	Annual Progress Report																	
		2009/ 10	2010/ 11	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17	2017/ 18	2018/ 19	2019/ 20	2020/ 21	2021/ 22	2022/ 23				
33253	Ana Sofia Fernandes Fernandes (a)																		Finished
32555	Anabela Monteiro																		Finished
33254	António Manuel Vieira Pombo	✓	✓	✓	✓	✓	✓												Finished
32618	Carlos Manuel Ferreira Carvalho	✓	✓	✓	✓														Finished
32608	Ednei Santin	✓	✓	✓	✓	✓													Finished
33224	Eduardo Adelino	✓	✓																
	Mateus Nunes Enxêbio																		
33490	Eduardo Manuel Ferreira Moraes Pinto	✓	✓	✓	✓	✓	✓	✓											
32678	Elena Nikolayevna Baikova	✓	✓	✓	✓	✓	✓	✓	✓										Finished
33249	Fernando Joaquim Ganhão Pereira	✓	✓	✓	✓	✓	✓	✓	✓										Finished
32574	Filipe de Carvalho Moutinho	✓	✓	✓	✓	✓													Finished
33270	Francisco José Dinis de Sousa Fernandes Ganhão	✓	✓	✓	✓														Finished
32552	Francisco Manuel Mendes da Silva Pina																		
32571	Gonçalo Moreira Cândido (a)																		Finished
32590	João Carlos Ferreira de Almeida Casaleiro	✓	✓	✓	✓	✓	✓												Finished
32725	João Miguel Ferreira Caldas da Costa	✓	✓																
32734	João Pedro Abreu de Oliveira (a)																		Finished
33572	José Alberto Oliveira Lima	✓	✓	✓	✓	✓	✓												Finished
33271	José Miguel Ferreira Preto Marques Luzio	✓	✓	✓	✓	✓													Finished
32606	José Rui Barbosa Custódio (a)																		Finished
32585	José Xavier Ferreira da Silva	✓																	
32564	Manuel Augusto Vieira	✓	✓	✓															Finished
33102	Marco António da Luz Delgado																		
32612	Maria da Graça Vieira de Brito Almeida	✓	✓	✓	✓	✓													Finished
32632	Maria do Carmo Marques (a)																		Finished
32607	Michael Figueiredo (a)																		Finished
32643	Miguel Bacelar de Sousa Carneiro	✓																	
32617	Miguel Ramos Pereira (a)																		Finished
32626	Patricia Alexandra Pires Macedo (a)																		Finished
32733	Pedro José Cristina Mendes																		
33331	Pedro José Ambrosio Lobato	✓	✓	✓	✓	✓	✓												Finished

32577	Pedro Miguel Figueiredo Amaral (a)																		Finished
33101	Pedro Miguel Negrão Melo (a)																		Finished
32566	Raúl Figueiredo Cordeiro de Magalhães Correia	✓	✓	✓	✓	✓	✓	✓	✓	✓								Finished	
33103	Regina Maria Frei Santos Barbosa (a)																	Finished	
33332	Silviano Francisco dos Santos Rafael (a)	✓																Finished	
32656	Sveltana Roudolfovna Chemetova	✓	✓	✓	✓	✓	✓	✓	✓	✓								Finished	
32550	Tiago Oliveira Machado de Figueiredo Cardoso (a)																	Finished	
32584	Vitor Manuel de Oliveira Fialho	✓	✓	✓	✓	✓	✓	✓	✓	✓								Finished	

(a) Student from pre-Bologna program



Several students (as well as their supervisors and TACs) have not submitted the annual reports, despite being warned of being late.

Edition of 2010/2011:

Nº	Name	Annual Progress Report																
		2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22		2022/23			
35499	Alison Mouton	✓	✓	✓	✓	✓												Finished
34339	Ehsan Shahamatnia	✓	✓	✓	✓	✓												Finished
35122	Wagner Cruz Coimbra	✓	✓	✓	✓	✓												Finished
35771	Ivan Iuri Alves Bastos (a)	✓	✓	✓	✓	✓												Finished
35831	João Luis Alvernaz de Melo (a)	✓	✓	✓	✓	✓												Finished
35719	João Tiago Vieira de Sousa Virote *	✓																
35171	Miguel Edgar da Silva Guedes *																	
35276	Manuel Fernandes Carvalho *																	
35768	Mohammad Hadi Nategh (a) *																	
35666	Nuno Miguel Abreu Luis	✓	✓	✓	✓	✓												Finished
35208	Pedro Mendes de Lacerda Peixoto de Magalhães	✓	✓	✓	✓	✓												Finished
38741	Raúl Manuel Mendes Dionísio (b)																	Finished
35661	Rogério Alexandre Botelho Campos Rebelo	✓	✓	✓	✓	✓												Finished
33761	Somayeh Abdollahvand	✓	✓	✓	✓	✓	✓	✓	✓	✓								Finished
35851	Vitor Manuel Guerra Vaz da Silva (a)	✓	✓	✓	✓	✓												Finished

* Apparently M. Guedes, M. Carvalho, J. Virote, and M. Nategh have quit, but they didn't formalize their withdrawal.

(b) Student from pre-Bologna program



Several students (as well as their supervisors and TACs) have not submitted the annual reports, despite being warned of being late.

Edition of 2011/2012:

Nº	Name	Annual Progress Report										
		2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22

38744	Carlos Eduardo Dias Coutinho	✓												Finished
38070	Fábio José Pinto da Silva	✓	✓	✓	✓									Finished
38345	Fernando Luis Lourenço Pereira	✓	✓	✓	✓									Finished
38346	José Alexandre Pires Ferreira	✓	✓	✓	✓	✓	✓							Finished
38996	Luis Miguel Rego Pires	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Finished
38876	Maria Paula de Brito Graça	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Finished
38050	Maximiliano Zanin	✓	✓	✓	✓									Finished
38690	Miguel Alexandre Sousa Ferro de Beca	✓	✓	✓	✓	✓								Finished
38980	Miguel Pinto Campinho Gomes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Finished
38728	Nuno Manuel Ortega Avancado	✓	✓	✓	✓									Finished
38972	Raúl Eduardo Capela Tello Bato	✓												Finished
38691	Rui Alexandre Neves Medeiros	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Finished
38049	Sebastian Scholze	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Finished
38184	Sudeep Ghimire	✓	✓	✓	✓	✓								Finished
37772	Tanush Anandhi	✓	✓	✓	✓	✓								Finished
38063	Vasco Miguel Delgado Gomes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Finished



Several students (as well as their supervisors and TACs) have not submitted the annual reports, despite being warned of being late.

Edition of 2012/2013:

Nº	Name	Annual Progress Report												
		2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23		
41203	Ali Abdollahy Gharbali	✓	✓	✓	✓	✓	✓							Finished
41185	Antonio Eduardo Carreiro Furtado	✓	✓	✓	✓	✓	✓							Finished
40964	Carolina Inês Marques de Lencastre	✓	✓	✓	✓									Finished
41116	Eduardo José Resende Ortiguera	✓	✓	✓	✓	✓								Finished
41189	Fábio Emanuel Pais Januário	✓	✓	✓	✓	✓	✓	✓	✓	✓				Finished
41159	Hamidreza Tolue Joe Forush Tusi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Finished
41192	Hugo Alexandre de Andrade Sousa	✓	✓	✓	✓	✓								Finished
41071	João Francisco Martinho Lêdo Guerreiro	✓	✓	✓	✓									Finished
39264	Konstantin Pirsanov	Erasmus												
40662	Luis Filipe Romão Lopes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Finished
41199	Nuno Manuel Gonçalves Vilhena	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Finished
41200	Pedro Miguel Lucas Arsenio	✓	✓	✓	✓	✓								Finished
41430	Ricardo André Martins Marques	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Finished
41198	Rui Miguel Amaral Lopes	✓	✓	✓	✓	✓								Finished
41507	Slavisa Tomić	✓	✓	✓	✓	✓								Finished

* Apparently H. Tusi has quit, but he didn't formalize his withdrawal.



Some students (as well as their supervisors and TACs) have not submitted the annual reports, despite being warned of being late.

Edition of 2013/2014:

Nº	Name	Annual Progress Report										
		2013/ 14	2014/ 15	2015/ 16	2016/ 17	2017/ 18	2018/ 19	2019/ 20	2020 /21	2021 /22	2022 /23	
43945	André Dionísio Betencourt da Silva Rocha	✓	✓	✓	✓	✓						Finished
44429	Edgar Miguel Felício Oliveira da Silva	✓	✓	✓	✓	✓	✓	✓				Finished
43962	Elsa Maria Marcelino de Jesus	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
43621	Francisco Américo Gonçalves Marques	✓	✓	✓								QUIT
43984	Frederico João Gonçalves dos Santos Branco Martins											
44089	Kevin Pierre Nagorny	✓	✓	✓	✓	✓	✓	✓	✓	✓		Finished
43582	Leonardo Pedro Donas-Bofo Vilhena Martins	✓	✓	✓	✓	✓	✓	✓				Finished
44126	Mário Rui Monteiro Marques	✓	✓	✓	✓	✓						Finished
44154	Nuno Rúben Ferreira Pereira	✓	✓	✓	✓	✓	✓					Finished
44173	Thais Andrea Baldissera	✓	✓	✓	✓	✓	✓					Finished



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Edition of 2014/2015:

Nº	Name	Annual Progress Report										
		2014/ 15	2015/ 16	2016/ 17	2017/ 18	2018/ 19	2019/ 20	2020/ 21	2021 /22	2022/ 23		
46574	António Paulo Pereira Martins	✓	✓	✓	✓	✓	✓	✓	✓			Finished
46657	André Filipe Lopes Lourenço											
46416	António Jorge Teixeira Pereira	✓	✓	✓	✓							
46560	Artem Artemovich Nazarenko	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
46316	Arnon Arnon Arnon Arnon	✓	✓	✓	✓	✓	✓	✓				Finished
46533	Esmail Kondori											QUIT
46471	Engaceir Duarte Almeida Fernandes	✓	✓	✓								
46575	Milica Markić											
46581	Manuel Vasconcelos	✓	✓	✓	✓	✓	✓	✓				Finished
46678	Paulo Alves Figueiras	✓	✓	✓	✓	✓	✓	✓				Finished
46651	Orlando José	✓	✓	✓	✓	✓						Finished
46324	Vagner Salvemago Schaefer	✓	✓	✓	✓	✓						

It seems that student 46533 is in the process of formalizing his exit from the program.



Several students (as well as their supervisors and TACs) have not submitted the annual reports, despite being warned of being late.

Edition of 2015/2016:

Nº	Name	Annual Progress Report								
		2015/ 16	2016/ 17	2017/ 18	2018/ 19	2019/ 20	2020/ 21	2021 /22	2022/ 23	
48978	Adriano Manuel Alves Ferreira	✓	✓	✓						Finished
49139	Andreana Rafael Caldeira									
48689	Fernando Jorge Chapita de Castro Antunes	✓	✓	✓	✓				QUIT	Finished
48872	José Teixeira Gonçalves	✓	✓	✓	✓	✓	✓			
48895	Ikankam Okatakye Ama- Boakye	✓	✓	✓	✓	✓	✓	✓	✓	Finished
48801	Luis Miguel Gomes Tavares	✓	✓	✓	✓	✓	✓	✓		
48305	Luís Miguel Gomes Tavares	✓	✓	✓	✓					Finished
48938	Mouil Zamiri	✓	✓	✓	✓	✓	✓			
48855	Muhammad Alimuzammil	✓	✓	✓	✓					Finished
48833	Márcio José Moutinho da Ponte									
48995	Matheus de Lima Tavares	✓	✓	✓	✓	✓	✓	✓	✓	Finished
49015	Pedro Miguel Lima Monteiro	✓	✓	✓						
49030	Ricardo Alexandre Fernandes da Silva Peres	✓	✓	✓	✓					Finished
48889	Soumyan Prasad Pillai	✓	✓	✓	✓	✓	✓	✓		



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Edition of 2016/2017:

Nº	Name	Annual Progress Report							
		2016/ 17	2017/ 18	2018 /19	2019 /20	2020/ 21	2021 /22	2022/ 23	
51334	Adriana Mar Brazuna de Jesus	✓	✓	✓	✓	✓	✓	✓	Finished
51324	Andreia Filipe Valada Peixoto Artifices	✓	✓	✓	✓	✓	✓		
51567	José Roberto Branco Ramos Filipe								Finished
51477	Khoorsh Ashrafzadeh								
51615	Paulo Jorge Passos Vieira Lecorona	✓	✓	✓	✓	✓	✓		Finished
49331	Ricardo Fale de Carvalho Madeira	✓	✓	✓	✓				



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Edition of 2017/2018:

Nº	Name	Annual Progress Report						
		2017/ 18	2018/ 19	2019/ 20	2020/ 21	2021/ 22	2022/ 23	
53892	Alnoor Teimoorzadeh							Finished
53858	Cláudio Alexandre Gonçalves	✓	✓	✓	✓	✓	✓	
54003	Duarte José Marques Alemão	✓	✓				✓	Finished
54352	Fawaz Saleem Hassan Al-Jobory (a)							
53820	João Carlos de Fraga Oliveira Silva	✓	✓	✓	✓	✓	✓	Finished
53873	João Pedro Leal Abalada de Matos Carvalho	✓	✓	✓				
53967	José Augusto Loureiro							Finished
53856	José Manuel Lima D'Oliveira							

53556	Mohammad Reza Shahrokhi Yeezaneh						
52272	Mohammadhassan Abdollahi Sofla						
54130	Nuno Miguel Mendes Costa						



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Edition of 2018/2019:

Nº	Name	Annual Progress Report					
		2018/19	2019/20	2020/21	2021/22	2022/23	
54815	Akashkumar Rajaram	✓	✓	✓	✓		Finished
56656	Alcides Teixeira Gonçalves						
55073	Aminah Mazandarani						
56413	Carolina Isabel Laguarda de Oliveira	✓	✓	✓	✓	✓	Finished
54753	Dário Filipe Romana Rodrigues	✓	✓	✓			
54463	Ezel Ozer (*)						
56395	Fabio Adriano Beixas Lopes	✓	✓	✓	✓	✓	
56370	Guilherme André Marques Guerreiro						
56365	Hugo André dos Santos Anunes	✓					
56412	Humberto Almeida de Queiroz	✓	✓	✓	✓		
54822	Nastaran Farhadi Ghafati						
56437	Peiman Bebbahani Nairad						
56275	Sonia Hosseinpour	✓					



Most students (as well as their supervisors/TAC) have not submitted the annual reports, despite being warned of being late.

Edition of 2019/2020:

Nº	Name	Annual Progress Report			
		2019/20	2020/21	2021/22	2022/23
58917	Ali Goshki	✓			
58902	Ayman Tayseer Ali Abu Sabah	✓	✓	✓	
59034	Carlos Nuno de Paiva Marques				
58990	Daniel Viana Dias	✓	✓	✓	
58859	Divar Salah Fadhil	✓	✓	✓	
58829	Guilherme Simões Calado de Brito				QUIT
58816	João Eduardo Albuquerque Martins Pereira Pires	✓	✓	✓	✓
57424	Kwabena Amoako Kveremeh				
58986	Luis Alberto Estrada Jimenez	✓	✓	✓	✓
59004	Pedro Correia Ferreira	✓	✓	✓	



Most students (as well as their supervisors/TAC) have not submitted the annual reports, despite being warned of being late.



Many students do not have a supervisor yet.

Edition of 2020/2021:

Nº	Name	Annual Progress Report		
		2020/21	2021/22	2022/23
61395	Azad Bahmani			
59359	Behnam Johari			
61255	Dahmane Sagor	✓		
61120	Carolina Rosário Coelho Xavier de Carvalho			
59433	Daniel Gonçalves Pita Santos de Almeida	✓	✓	✓
61248	Daniel Gomes Lourenço	✓	✓	✓
61247	Diogo Filipe Cardoso Pereira	✓	✓	✓
61144	Fabio Rafael Martins de Oliveira	✓		
59389	Flornado Miguel de Matos Canas	✓		QUIT
61139	Joao Fale de Carvalho Madeira	✓	✓	✓
61206	Jorge Miguel da Silva Calado	✓	✓	✓
61257	Leandro Henrique Monteiro Filipe	✓		
61117	Luis Carlos Guimarães Lorenço			
61251	Miguel Alexandre Gonçalves Lourenço	✓	✓	✓
61214	Rafael Joaquin Oliveira Rodrigues	✓		
61106	Raquel Alexandra Abrantes Melo			
61204	Sepideh Kalateh Sedari			
61283	Serhaty Masoud Abdouhamid			
59335	Shuai Liu	✓		
61124	TERRIN BABU PULIKOTIL			
61217	Walid Galoul			



Most students (as well as their supervisors / TAC) have not submitted the annual reports, despite being warned of being late.



Many students do not have a supervisor yet.

Edition of 2021/2022:

N°	Name	Annual Progress Report	
		2021/2 2	2022/2 3
64169	Adel Bakakra		
63815	André Filipe Braga Gouveia		
61740	Branislav Edgar Pejić Gonçalves		
63874	Bruno do Monte Costa Rêgo		
63822	Bruno Rui Marques Lobo		
63855	Caterina Serafinelli	✓	✓
64096	Diogo André Silveiras Dias	✓	✓
64185	Filipe Miguel de Sousa Dolores		
64187	Francisco Santos Ferreira de Oliveira Neves		
63831	Hermenegildo da Silva Pato	✓	✓
62032	João Pedro Gouveia Xavier	✓	✓
64186	Jose de Campos Beato Aleixo		
64171	Leonora Barata		
61721	Leonardo Cayesse Zeferino Miúdo	✓	
64103	Luciano Givino Adenno Jai		
61562	Mohammad Amin Khodamoradi		
64184	Nelson Nascimento de Freitas		
63824	Paulo Elvino de Sousa Dias	✓	✓
61572	Shiva Majidzadeh		
63957	Zahra Afkhami		



Most students (as well as their supervisors) have not submitted the annual reports, despite being warned of being late.



Many students do not have a supervisor yet.

Edition of 2021/2022:

N°	Name	Annual Progress Report
		2022/23
66790	Alexandre M. Manta da Costa	✓
66794	Ali Soudarzi	QUIT
66788	Dawod M. R. M. Al-Qadasi	
64752	Diogo Paulo Marques	✓
64754	Elham Kermanianmandobab	
66617	Emanuel A. C. Santos Mango	

66815	Esmail Kondori	
66362	Eugenio Duvilla	
64351	Eurico A. M. Silva Clements	
66806	Fernando J. C. C. Monteiro	
64748	João Gonçalves S. Almeida	
66595	João Carlos Gaspar Araújo	✓
66804	João Pedro C. N. T. Patrikio	
66641	João Miguel Lopes Malvar	
64353	Mafalda P. S. V. P. Rocha	
66645	Pedro Miguel Germano Viegas	
66597	Qamar Raza	
66678	Rafael Mendes de Barros	
64323	Saeed Akbari	
66816	Samaneh Rasoolianlafmejani	
64662	YOUNIS TAHER KAID AHMED	



Most students (as well as their supervisors) have not submitted the annual reports, despite being warned of being late.



Many students do not have a supervisor yet.

7. CONDITIONS FOR PhD SUPERVISION

Based on the experience of the previous years, and in order to improve the quality of the supervision process, the Scientific Committee of PDEEC decided (in 2014) to define more strict conditions under which it will approve future proposals for PhD supervision:

1) Limits

A supervisor should not have more than 6 PhD students full-time under his/her supervision.

In the case of co-supervision, each student counts 50%.

Likewise for the case of part-time students.

2) Required experience and activity level

Like what is practiced in many other universities, the Scientific Committee considers that junior doctors without supervision experience should not start as main supervisors. Furthermore, a PhD supervisor needs to be an active researcher with adequate productivity. Therefore, **in order to qualify as main supervisor** a doctor should:

- Have successfully supervised / co-supervised at least one student.
- Have at least 2 journal papers indexed in the Science Citation Index during the last 3 years.

Unexperienced doctors, candidates to a first supervision, should:

- Be **co-supervisors** (naturally in collaboration with an experienced supervisor).
- Have at least 2 journal papers indexed in the Science Citation Index during the last 3 years.

3) Performance regarding the annual progress reports

Despite the many requests from the Program Coordinator and Secretarial support, we continue noticing that a large number of students are not submitting their annual progress reports (and supervisor's/TAC assessment) on time. In order to improve this situation, any future proposal coming from a supervisor with missing reports **will be kept suspended** until the situation is resolved.



Conditions 1) and 2) started to be applied in 2014/2015.



Condition 3) started to be applied in 2016/2017. Consequently, several cases were solved, but for recent years we notice several delays again.

8. CANDIDATES 2023 / 2024

8.1 Applicants

For the new academic year (16th edition), PDEEC received the following applications:

- Phase 1: 14 (accepted 8)
- Phase 2: 9 (accepted 7)
- Phase 3: 9 (accepted 7)
- Phase 4: *possibly in Jan 2024*

The received applications in the first three phases had the following geographic origin:

- Angola: 5
- Cameroon: 1
- Egypt: 1
- Iran: 5
- Mozambique: 1
- Pakistan: 4
- Portugal: 13
- Ukraine: 1
- Yemen: 1

It is still unclear how many of the accepted candidates will actually enroll in the program, as some of them are waiting for visa to come to Portugal, others waiting for defense of MSc theses, and others are waiting for confirmation of a scholarship (until Dec 2023, **19** students are enrolled).

The process of getting a **visa**, which is not at all agile from the side of our Embassies and Ministry of Foreign Affairs (through “SEF”), continues to be a **major obstacle** for the smooth start of each academic year.

8.2 Assistance to foreign students

Foreign students face a number of difficulties when dealing with the Portuguese bureaucracy. As such it would be important to have an Office / Service, **preferably at the Faculty level**, to support these students. The support services could include, for instance:

- a) Support during application phase
 - Provision of elements to get the visa at Portuguese embassies.
 - Establishment of contacts with SEF (“Serviço de Estrangeiros e Fronteiras”) to expedite the visa granting processes.
 - Assistance with (initial) accommodation search and booking.
 - Provision of information about possible scholarships and other resources.
 - Assistance regarding the official documents the candidates need to bring.
- b) Support on arrival
 - Guided tour through the campus and assistance with enrollment process.
 - Help with accommodation.

- Assistance with the processes to get a fiscal number, bank account, etc.
 - Assistance with transportation tickets and options.
 - Help interfacing the social security and health care services.
 - Etc.
- c) During the stay
- Assistance with family issues (kinder garden, etc.).
 - Help interfacing the various services of FCT.
 - Guidance for those that want to stay in Portugal after finishing the PhD.
 - Etc.

Currently, foreign students ask for help from the program coordinator and/or supervisor, but this is not enough.

A suggestion to create such an office was made to the last two Management Boards of FCT-NOVA in previous years, but no answer was received.

The accreditation office (A3ES) also emphasized the importance of having such an office.

9. CONCLUDING REMARKS

Considering the status described above and the acquired experience with previous editions, it is possible to draw some conclusions:

- **Attraction of candidates.** PDEEC continues to be successful in attracting applicants, particularly in comparison with other sectors of the Faculty and in comparison with similar programs at other national universities. In recent years, the number of foreign applicants has been higher than that of Portuguese applicants, which is a good sign of our attractiveness.
- **Recruitment space.** In order to ensure sustainability, especially in periods of economic crisis and lack of scholarships, it is necessary to reconsider the traditional recruitment space, as well as the profile of potential candidates. A stronger emphasis needs to be put in two directions:
 - recruitment of foreign candidates, and
 - increasing the number of PhDs in cooperation with industry.

The recruitment of international students contributes to a cultural enrichment and the introduction of new experiences and working methods. A higher percentage of foreign students will also contribute to increase the external visibility and prestige of our program. A higher percentage of PhDs developed in an industrial context will help strengthen ties with companies, facilitate research that addresses relevant societal challenges, and may mitigate economic constraints. There are, however, a number of obstacles:

- Our embassies make it very difficult for applicants to obtain a visa to study in Portugal. The PDEEC has attracted a good number of foreign candidates every year, probably as a result of the good references given by other students already in Portugal, but only in a few cases it was possible to overcome the obstacles raised by our Embassies. The University has tried some direct channels with SEF, but they are not very effective. FCT-NOVA should implement more pro-active mechanisms to help overcoming these difficulties. In fact, like other universities, **FCT-NOVA should have an Office to really support foreign students** during all phases of their career with us. **So far, such Office has not been created and it remains an urgent issue, as recommended by A3ES.**
- Some foreign applicants are not able to find a scholarship or fund themselves. **Even when we have local resources to offer scholarships, the current rules requiring recognition of applicants' master's degrees at the national level often make it impossible. Such degree recognition takes a very long time and has a cost that candidates in need of a scholarship cannot afford.** As such, we often lose some candidates with very good potential and also lose some funding available for scholarships. **A faster and cheaper mechanism for master's degree recognition is needed.**
- Current regulations of FCT-NOVA limiting the number of years a student can be part-time (or at least making it more bureaucratically complicated), do not facilitate the process of having PhD research in industrial contexts. Such limits can be overcome, but they require additional bureaucracy and do not give a clear signal that such kind of PhDs are welcome.

■ **Annual tuition fee.** The possibility of having the tuition fees waived used to be a key element in attracting candidates from the academic staff of the Polytechnic Institutes of Lisbon and Setubal. However, this market has now been exhausted. Considering the importance of PhD students for the Faculty (contributors to publications, researchers in projects, reinforcement of research teams, help in attracting new projects, etc., thus contributing significantly to the ranking of the university), **it would make sense to reconsider the current tuition fee policy**, namely when considering the competition at the European level.

- **In several European countries, with universities better positioned in most international rankings, PhD students do not pay tuition fees.** That is the case, for instance, in the Netherlands, where not only they do not pay, but even receive a good salary. The current policy of our university to keep the tuition fee for foreign students (non-EU members) the same as that of national students is a good progress, but other “creative” options should be considered.
- **Recently, the previous Management Board of FCT-NOVA drastically reduced the possibilities for students to apply for reduced tuition fee, which is a major limitation and goes against the practice in competing countries.**
- The efforts of the Center of Technology and Systems (CTS), notably through colleagues with H2020 projects, to provide some scholarships are considered as a very valuable contribution.
- The FCT-NOVA policy of returning part of the tuition fee to be used by PDEEC coordination to support the PhD activities of students (e.g., support attending conferences, etc.) during 2014-2016 was very beneficial. This was in fact one of the recommendations of the PhD accreditation agency A3ES. **Unfortunately, recently this practice has only been implemented with long delays.**
- **Since 18 Dec 2020, the previous Management Board of FCT-NOVA has substantially reduced the percentage of the tuition fee that is made available to PDEEC, which is another obstacle for the success of the program. Unfortunately, the coordinators of the PhD programs at FCT-NOVA are never heard by the institution about the impact of such decisions.**
- On the other hand, the waving of tuition fees (namely in the case of special protocols with Polytechnic Institutes) should be cancelled in case the student fails to make a reasonable and timely progress. This seems to have been changed, but the coordinators of the PhD programs have not been informed.

■ **Quality of supervision.** It is necessary to continue the efforts towards improving the role of the supervisors and TACs in monitoring student progress, particularly in the first year. Most students do not finish the coursework part in the first year as planned in the program, and this needs to be changed. It seems that **most supervisors are only concerned with the research part** of the work and pay little attention to the delays in the coursework part.

- Delays in finishing the coursework part will definitely affect the quality of the research, as these initial studies are designed to provide a solid foundation for the research work.
- A particularly critical situation concerns to the *Research Planning* activity and the preparation of its main outcome, the **Thesis Plan**, to be defended in a public seminar. Many students, often influenced by their supervisors, postpone the defense of their Thesis Plan to a very late stage. In these cases, although the corresponding reports might impress by the amount of research done, they **completely fail** the purpose of a Thesis Plan. Sometimes these plans are submitted so late that there is not much chance for the TAC to make any feasible suggestions anymore. **Therefore, it is necessary for all supervisors to pay more attention to this issue and perform their supervision role properly.**
- In some cases, there are supervisors with an excess of students under their supervision. Our experience shows that this situation often leads to less effective supervision. A clear distinction needs to be made between the capability to perform effective scientific supervision, and the economic capacity to attract collaborators when supervisors have funded

projects! The fact that a supervisor is successful in attracting substantial amounts of money **is not** an automatic guarantee that he/she is able to supervise a large number of students with the required scientific quality. During the first editions of the program, some *soft approaches* to improve this situation were tried, although not always successful. The current criteria adopted by the Scientific Committee of the PDEEC regarding the approval of supervision proposals, which are in line with common practices at several other universities, are expected to have a positive effect. **However, this issue is quite delicate and requires continued attention.**

- **Despite the effort put in the monitoring process and drawing attention to the various participants in the program, the Coordinator of PDEEC does not have any other tools to ensure the quality principles. As a result, it is very frustrating to see the continuation of “red marks” in various parts of this report.**

■ **Joint PhDs.** The current regulations at NOVA concerning joint PhDs do not facilitate the establishment of agreements with other universities. Although some of the academic staff of the Electrical Engineering Department has good international connections and is involved in some co-supervision activities with other universities, this is done on an individual level, without direct benefit to FCT-NOVA. In the last few years, we have managed to get a few of these agreements, but the process has been rather slow. Considering the importance of strengthening international cooperation ties, this area should deserve more attention by the governing bodies of FCT-NOVA in order to establish agile procedures.

■ **PhDs in industrial context.** Following the recommendations of A3ES, a working group needs to be launched by the Scientific Committee of PDEEC *“to analyze and propose solutions to find a way to reconcile the quality requirements of a doctorate with the restrictions and specific characteristics of research work carried out in an industrial context”*.

■ **A word of appreciation.** A word of “thank you” to the secretarial support provided by **Mrs Ana Cristina Silva and Mrs Paula Simão.**

The importance of PDEEC

High quality Doctoral Programs are fundamental to the strategy of any “research-oriented university”. PhD research works are important instruments for creating new knowledge and preparing scientific publications. Past editions of the PDEEC clearly show such evidence, with a substantial increase of the scientific productivity of our Department.

On the other hand, the external feedback from colleagues at other universities regarding the structure and ambition of our program, has been very positive and encouraging.

As such, our Department should continue to devote significant efforts to this initiative. Investments in the PDEEC are likely to have a high return.

On the other hand, the noticed obstacles, particularly at the institutional level, are difficult to understand. Lack of adequate support for the PhD programs inhibits the affirmation of any university as a “research-oriented” institution.