

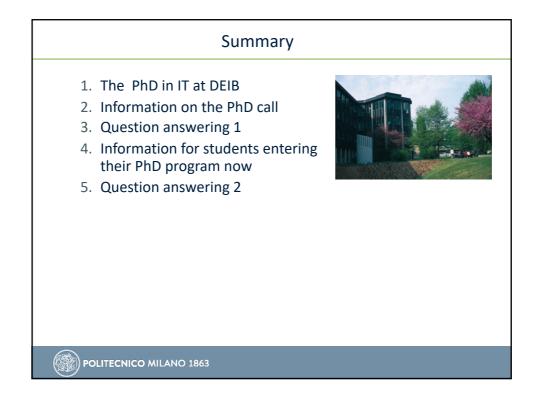
Self introduction

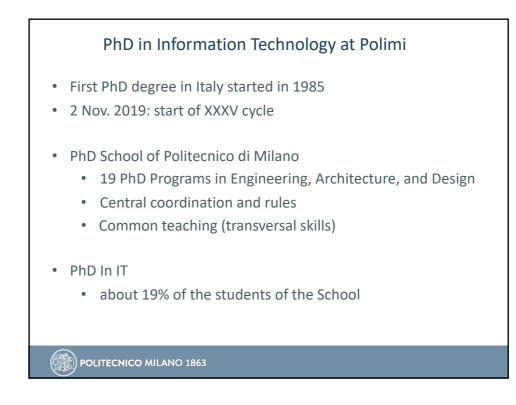
Prof. Barbara Pernici, IT PhD Coordinator

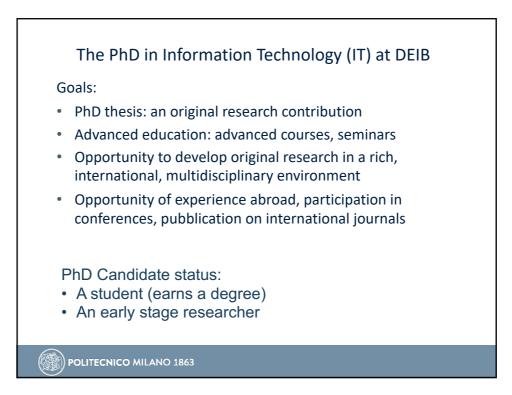
Francesca Clemenza, IT PhD Secretariat

Andrea Pimpinella Fabio Garzetti IT PhD students representative

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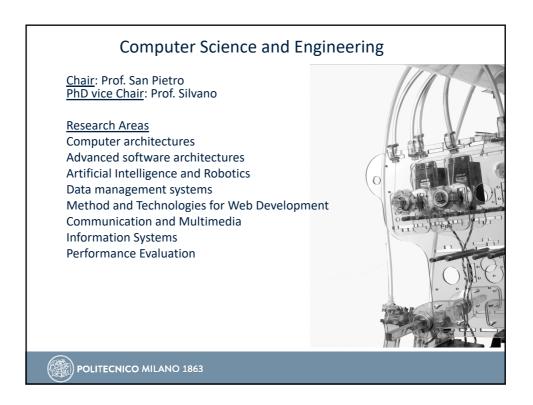


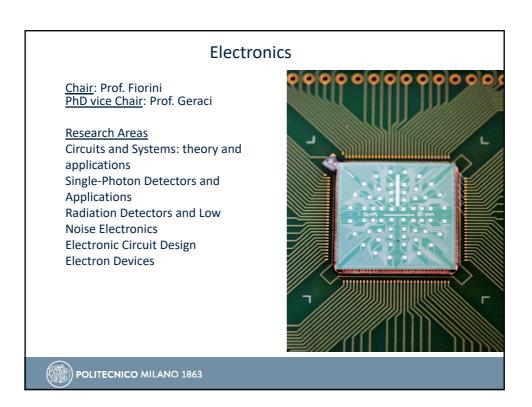














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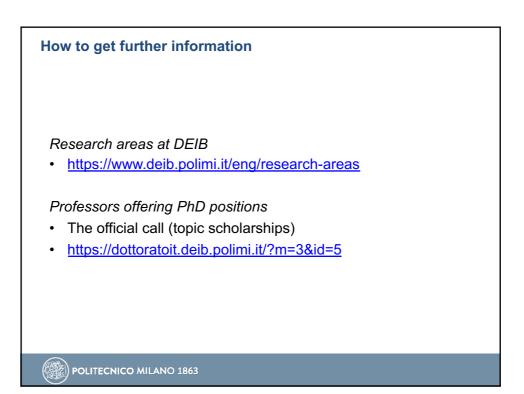
Telecommunications

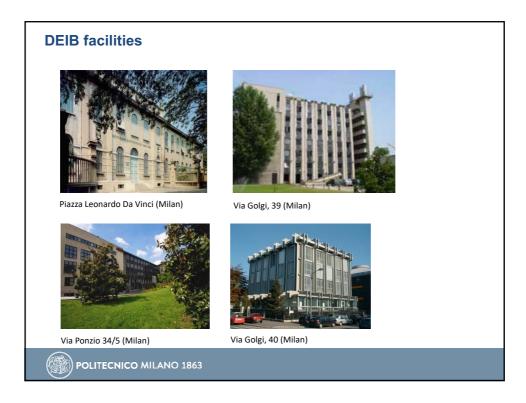
<u>Chair</u>: Prof. Martinelli <u>PhD vice Chair</u>: Prof. Cesana

Research Areas Networking Applied Electromagnetics Information Transmission and Radio Communications Optical Communications Wireless and Space Communications Remote Sensing Signal Processing for Multimedia and Telecommunications

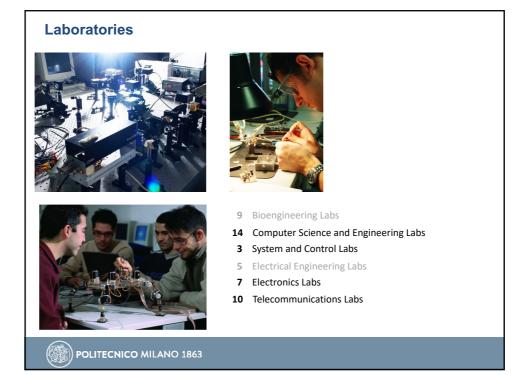


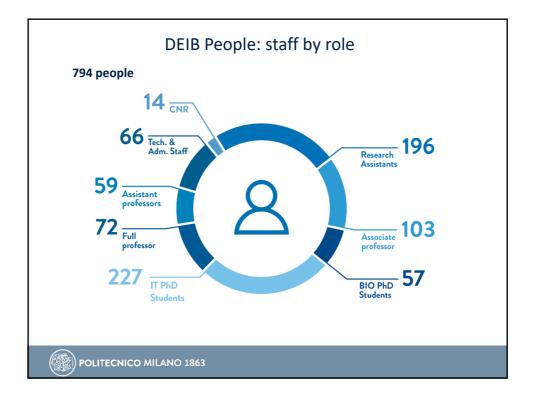
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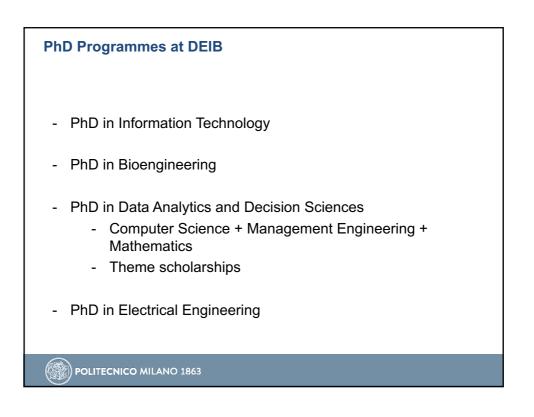


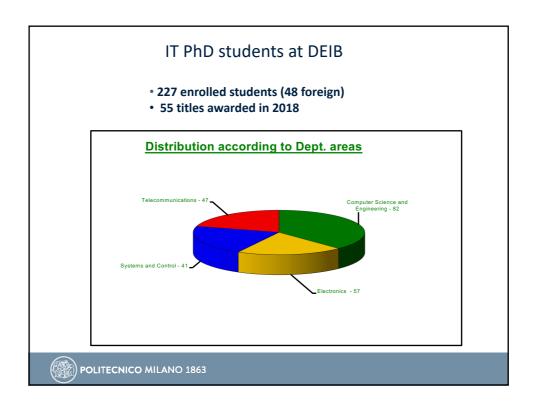


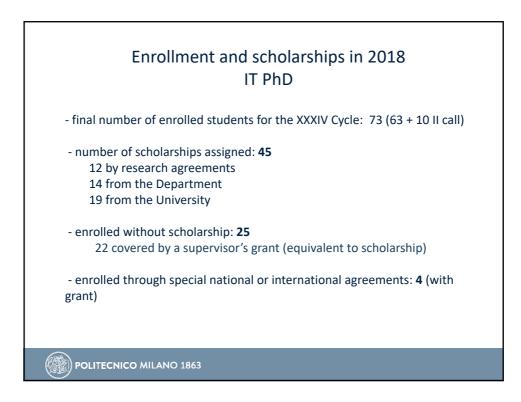


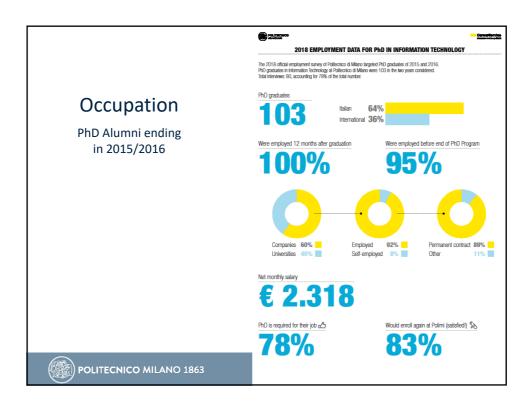


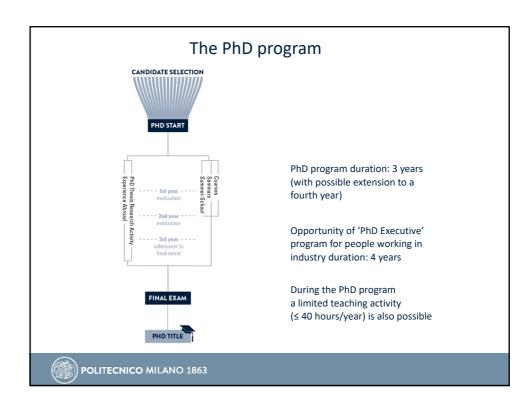












PhD Students activities
 Research Within Department research areas -> Find your area and a potential advisor Involvement in research projects (basic and applied research) Develop new research ideas -> publish papers, present them at conferences – aiming at excellent research results Write your thesis
 Courses All DEIB teaching activities in English 25 credits (CFU), typically: 5 courses x 5 CFU each, among them: at least 10 CFU from DEIB courses at least 10 CFU from courses of the PhD school on soft skills
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Available positions, scholarships and other grants
Available positions:
 34 positions available to be filled according to the selection procedure (competitive selection)
Scholarships
 17 + 6 general scholarships in the call
 10 + 7 topic scholarships, from companies, from DEIB research funds, and from Politecnico (to be selected on the on-line procedure before the deadline of the 21st of May and in another moment in June): ask responsible of each topic scholarship for more information
 Net amount: 1250/1400 euros/month (no taxes)
 Support for accomodation available for some students from abroad (see call)
Other grants
 most of the students without a scholarship are supported through collaborations to research projects (ask your potential advisor) other grants may become available in weeks
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	POSITIONS	of which	
Area		general scholarships	topic scholarships
NFORMATION TECHNOLOGY			
Area 1. Computer Science and Engineering	13	7+2	3+2
Area 2. Electronics	6	3+1	2+3
Area 3. Systems and Control	5	3+2	1+1
Area 4. Telecommunications	10	4+1	4+1
Additional scholarships indicated abov	e are being	officially ap	proved

Advisor	Area	Торіс
Giacomo Boracchi, Cesare Alippi	1	Multimodal and reference-based anomaly detection algorithms
Paolo Cremonesi	1	Online evaluation and experimentation of UI personalization
Giuseppe Bertuccio	2	Advanced ASICs for Scientific Instrumentation for Astrophysics
Giuseppe Bertuccio	2	Study and development of application specific integrated circuits (ASICs) for high resolution and high speed x and gamma ray spectroscopy
Umberto Spagnolini	4	Advanced methods for absolute and relative positioning in high-performance vehicles
Maurizio Magarini	4	Energy aware information transfer and coding solutions for green communications
Andrea Melloni	4	Mixed signals generic testing in photonic integration

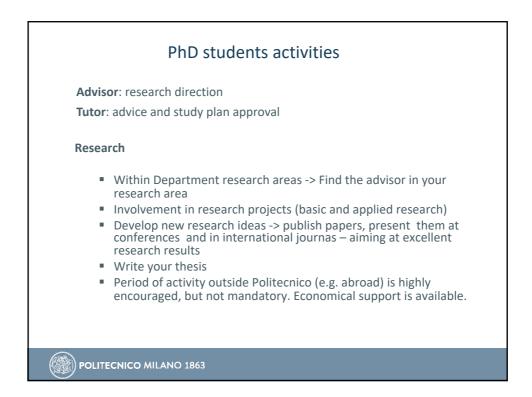
Торіс	scholarships	from Politecnico
	Interd	isciplinary
Advisors	PhD Programs	Торіс
Lorenzo Fagiano Maria Pina Limongell	INFO/ISSG	Condition monitoring of the built environment with multicopter networks
Barbara Pernici Tiziano Faravelli	INFO/CIIC	Extracting value from scientific data
Augusto Sarti Roberto Corradi	INFO/MEC	Advanced techniques for the mapping of acoustic sources
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Topic scholarships from Industry and from Department
being officially approved

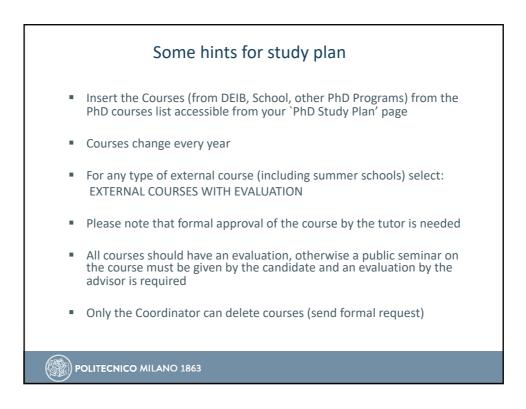
Advisor	Area	Торіс
Cesare Alippi Giacomo Boracchi	1	Anomaly Detection in High-Dimensional and Evolving Data Streams
Licia Sbattella	1	Empathetic Conversational Agents
Dario Natali	2	3D Printing of materials of relevance for the microelectronic industry
Daniele Ielmini	2	Design of neuromorphic circuits with resistive memories
Daniele Ielmini	2	Development of crosspoint memory arrays for neuromorphic computing
Lorenzo Fagiano	3	Systems of Tethered Multicopters: theoretical and experimental development
Andrea Melloni	4	Multilayer thin films for UV to LWIR operation
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Application procedure Through the on-line application web site Max two areas can be selected Provide all required info - List all the degrees you have and provide transcripts - Write a good motivation statement - CV (including passed exams and marks, if not yet graduated) - Research project - A "research" exercise - Not necessarily your future research topic, BUT it is suggested to discuss it with your potential advisor - Provide references - If you are in contact with an advisor you can ask him/her if (s) if you can indicate him/her as reference. In any case you should mention a potential advisor that would agree to advise you - Only the names have to be provided, reference letters, skype calls may be asked directly to the contacts Select on-line the thematic scholarships (2 phases) READ CAREFULLY THE CALL AND FOLLOW THE INSTRUCTIONS POLITECNICO MILANO 1863

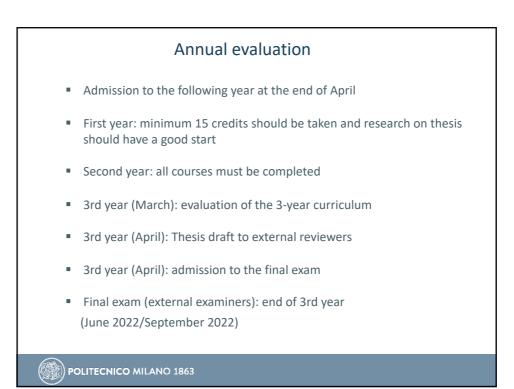


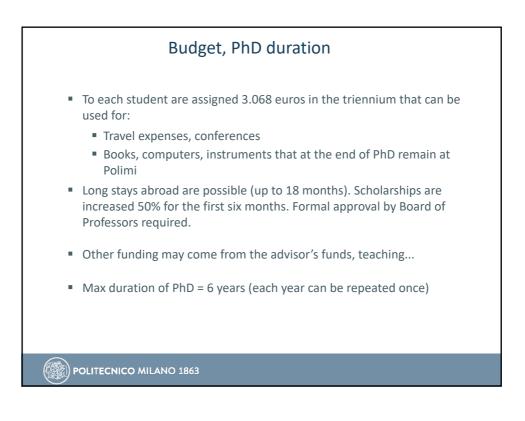


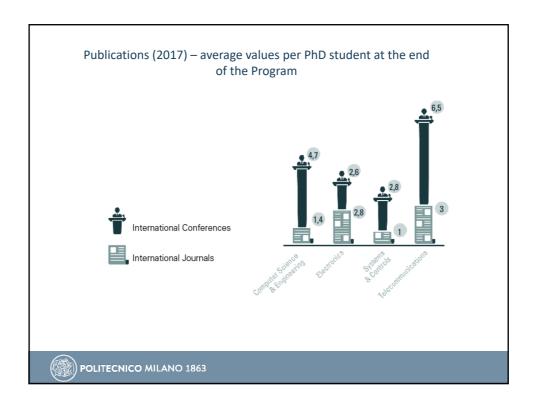
Study plan	
 Study plan presentation: Select courses as soon as possible (see list available on Polimi website) PhD School course participation must be approved by the School (write to phdschool@polimi.it) Approval by tutor Enter info in Polimi information system. if strictly necessary, you may follow a course and enter it in the study plan afterwards (inform the Tutor, be aware of registration issues) 	
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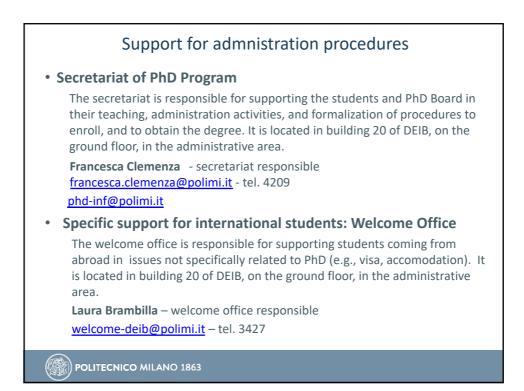


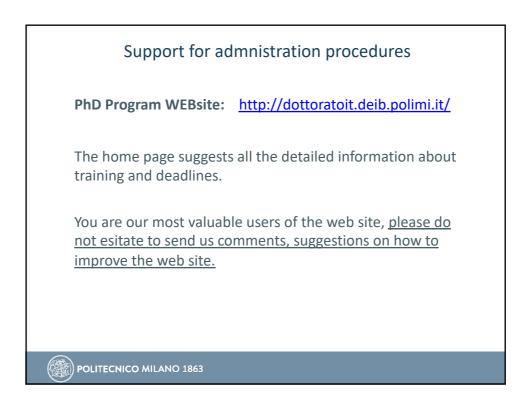


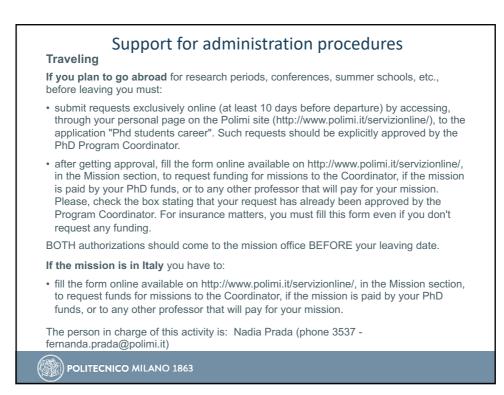




Contacts	Management
Prof. Barbara	Pernici (Coordinator)
	Silvano (Computer Science and Engineering)
	Geraci (Electronics)
Ű	oddi (Systems and Control)
Prof. Matteo	Cesana (Telecommunications)
Standing commi	ttee
26 Professor	s of DEIB
Secretariat	
Francesca C	lemenza
PhD students rep	presentatives in the Department and in the PhD Board
Fabio Garzet	ti
Andrea Pimp	binella
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Purc	hases
	o Testa, Marco Zuin (tel. 3754 – <u>ufficioacquisti-deib@polimi.it</u>)
-	ocedure: fill the on-line request of order for the purchase available on https://intranet.dei.polimi.it/servizi/acquisti.php
Com	munication
Laura	Brambilla, Rosa Petrelli (tel. 3427 – <u>redazione-deib@polimi.it</u>)
	nu have to update before June 1 st your page on the Department website, b Inding to <u>redazione-deib@polimi.it</u> :
•	a short bio in Italian and English, or English only
•	a photo of you that will be published there
•	link to personal pages, if any
	s soon as you define a research line, you should send a short description o to redazione-deib, to update your personal page.



