PH.D. PROGRAM IN IN COMPUTER SCIENCE
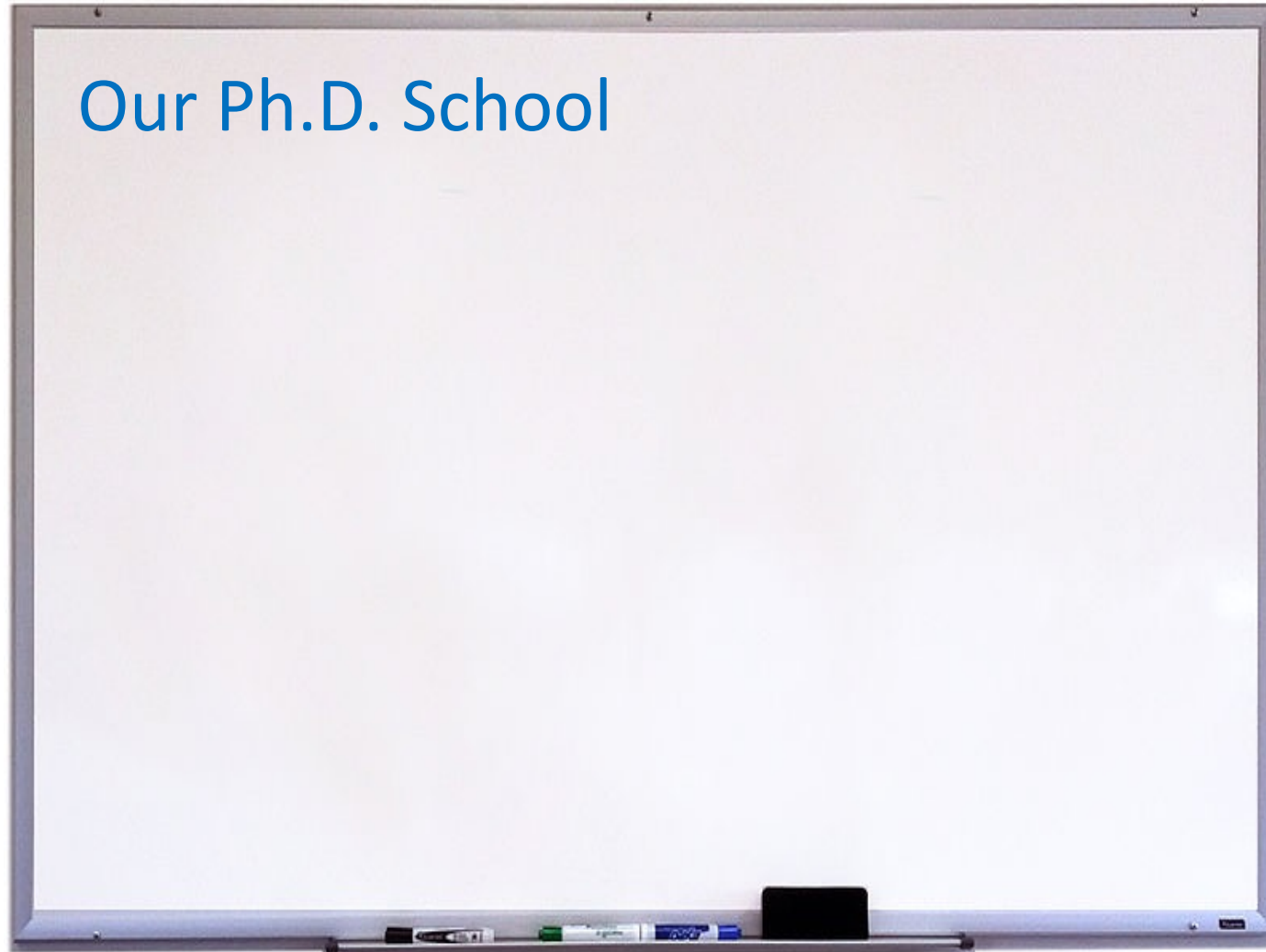
Antonio Brogi

Coordinator of the Ph.D. Program

antonio.brogi@unipi.it

Our Ph.D. School

Partners

- Department of Computer Science, University of Pisa
- Department of Statistics, Computer Science and Applications "G. Parenti", Univ. of Florence
- Department of Information Engineering and Mathematical Science, University of Siena

Main supporters

- Institute for Informatics and Telematics (IIT), CNR Pisa
- Institute for Science and Technology of Information "Alessandro Faedo" (ISTI), CNR Pisa

Our School

- Started in 1983 (1st Ph.D. program in Computer Science in Italy)
- Solid expertise
  - 300+ Ph.D.s
  - all occupied (both in academia and in companies)
- Evaluations and rankings
  - 100% positive assessment by MIUR («yes» in all criteria)
  - Top 3 Pegaso Ph.D. courses (2021)
- Strong networking opportunities
  - regional and national innovation network
  - international network

Ph.D. Steering Committee

27 members:

- 12 UNIPI

- 2 UNIFI

- 1 UNISI

- 2 CNR-IIT

- 2 CNR-ISTI

- 4 USA (U. Stanford, Northeastern, Missouri, Worcester)

- 2 France (Ecole Polytechnique Paris)

- 1 Germany (U. Stuttgart)

- 1 student

Advisory Board

Our Ph.D. School

The Ph.D. Course

The Ph.D. course

- 3 year long
- Office space assigned
- Activities
  - **Research**
  - Attend 6 courses and 3 seminar series in the 3 years
  - Opportunities
    - Travel to conferences and summer schools (funding assigned)
    - Spend periods abroad (50% increase of scholarship)
    - Do internships
    - Teach
    - Yearly events
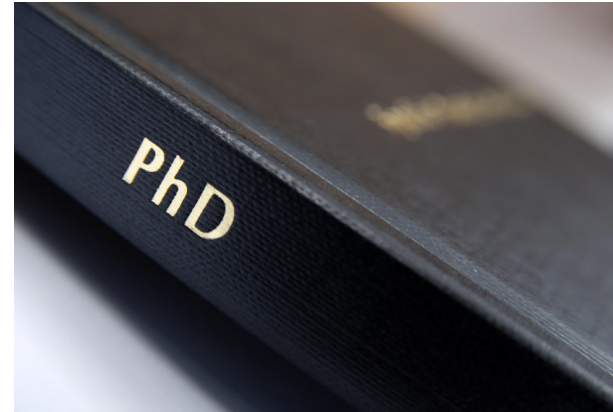
Organisation

Each Ph.D. student followed by

- One (or more) supervisor(s)
- An «internal» Ph.D. committee (supervisors + 2 experts)

Route-to-thesis

- End of year 1: thesis **proposal**
- End of year 2: **progress** report
- End of year 3: **thesis**

Our Ph.D. School

The Ph.D. Course

Calls for admissions

First call for admission is open!

We are looking for talented students !

Calls for admission

Id	scholarships	theme	funded by	opened
INFO01	5*	-	UNIPI, UNIFI, UNISI, CNR-ISTI	
INFO02	1	Development and analysis of methods and tools for natural language processing using machine learning and deep learning techniques	DM 352 and by Aptus.AI	July 8th
INFO03	2	Methodologies and technologies for the digital transition of public administrations	DM 351	
INFO04	1	Modelling protein-protein interactions with deep learning and molecular dynamics	DM 352 and TLS	
	1	Adaptive Human-Computer Interaction	CNR-ISTI	
	1	Cyber security and privacy in the development lifecycle of systems and application	CNR-ISTI	
	1	Quantum Internet	CNR-IIT	
	1	Automotive and cybersecurity	CNR-IIT	July 20th
	1	Continual Learning for image classification and Object Detection	Leonardo	
	1	Models, methodologies and tools for HPC continuum	National Centre for HPC, Big Data and Quantum Computing	
	1	Low latency video streaming	IES Italia	
	?**	-	Regione Toscana	September

* plus 2 admitted without scholarship
** 5 scholarships last year (3 non-thematic, 1 on "big data", 1 on "cybersecurity")

Calls for admission

Id	scholarships	theme	unded by	opened
INFO01	4*	-	UNIPI, UNIFI, UNISi	
INFO02	1	Development and analysis of methods and tools for natural language processing using machine learning and deep learning techniques	DM 352 and by Aptus.AI	*July 8th*
INFO03	2	Methodologies and technologies for the digital transition of public administrations	DM 351	
INFO04	1	Modelling protein-protein interactions with deep learning and molecular dynamics	DM 352 and TLS	
	1	-	CNR-ISTI	
	1	Adaptive Human-Computer Interaction	CNR-ISTI	
	1	Cyber security and privacy in the development lifecycle of systems and application	CNR-ISTI	
	1	Quantum Internet	CNR-IIT	*July 20th*
	1	Automotive and cybersecurity	CNR-IIT	
	1	Models, methodologies and tools for HPC continuum	National Centre for HPC, Big Data and Quantum Computing	
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* plus 2 admitted without scholarship
** 5 scholarships last year (3 non-thematic, 1 on "big data", 1 on "cybersecurity")

(First) Call for admission is open

https://dottorato.unipi.it/index.php/it/concorsi-d-ammissione-a-a-2022-2023/item/667.html

- Who can apply
  - Graduated students and students that will graduate by October 31st
  - Candidates can apply to all INFO* calls by paying a single application tax

- Important dates:
  - Deadline to apply: **August 8th, 2022** at 1 pm CET
  - Oral interviews will be held in the first half of September
  - Scholarships and activities will start on November 1st, 2022

- You must upload
  - Upload your curriculum vitae and titles/certificates (including English B2 certificate – if you already have it)
  - Upload a 1-page "**research project**"
  - Indicate names and contact of 2 professors/scholars/researchers available to upload a reference letter for you

Our Ph.D. School

The Ph.D. Course

Calls for admissions

Ph.D. life
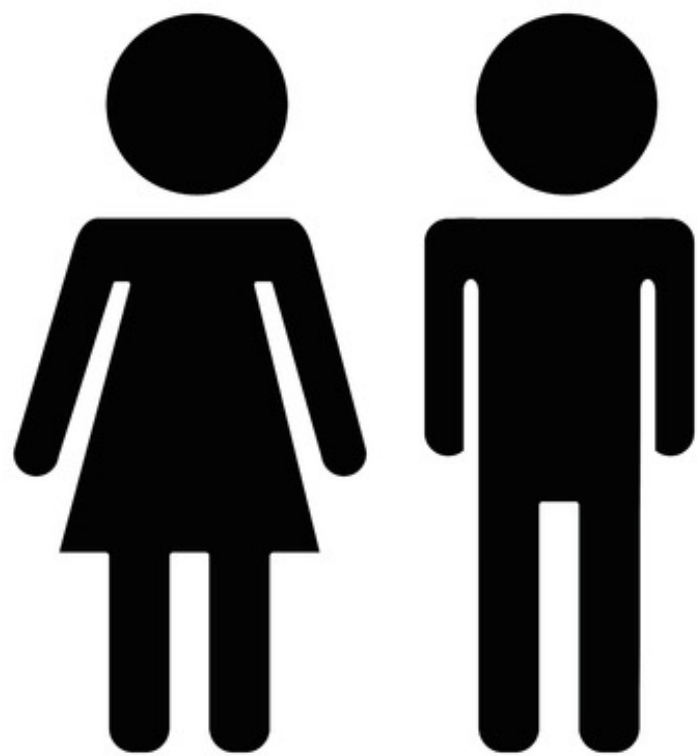
PS: «PhD life»?

Research

Enjoy your PhD years!

Interact

Grow

Travel

Our Ph.D. School

The Ph.D. Course

Calls for admissions

Ph.D. life

Examples of Ph.D. students

Q&A