

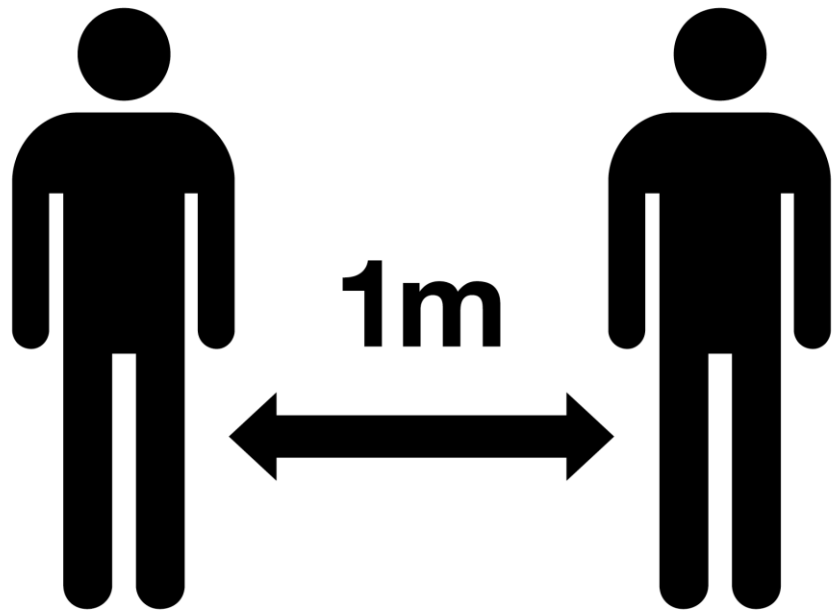
# **Welcome !**

## Antonio Brogi

Coordinator of the Ph.D. Programme in Computer Science  
of the Universities of Pisa, Florence and Siena



**Please respect all COVID 19 security measures**



# Welcome!

**Welcome** to our Ph.D. School in Computer Science!

Objective of this meeting:

- Welcome and meet all the new students of our School
- Provide you with some key information

First the welcome by the Head of the Department of Computer Science

# Scholarships



# Scholarships for cycle 37

## Results of selections\*

	INFO01	INFO02	INFO03	INFO04	INFO05	INFO06	INFO07
scholarships	13	1	1	1	1	1	1
funded by	UNUPI(7), RT(5), ISTI(1)	ISTI	ISTI	ISTI	IIT	IIT	IIT
applications	56	0	2	2	4	1	5
selected for interview	39		1	1	2	1	2
interviewed	29		1	1	2	0	1
"suitable"	23		1	1	1	0	1
enrolled with scholarship	12		0	1	1		0
enrolled as supernumerary	1						

\*The selection for other 6 scholarships co-funded by PON is in its final stage

# Scholarships for cycle 37 (cont.)

The Ph.D. Steering Committee assigned the INFO01 scholarships by taking into account both the ranking determined by the selection procedure and the requirements set by the Pegaso scholarships

INFO04	ALABASI	WESAM NITHAM	CNR-IIT (thematic)
INFO01	ASCARI	FLAVIO	UNIFI
INFO01	CINQUINI	MARTINA	UNIFI
INFO01	CORBUCCI	LUCA	RT 12m abroad
INFO01	DI PASQUALE	FEDERICA	RT
INFO01	GAGLIANESE	MARCO	UNIFI
INFO01	GUERRA	ANDREA	RT big data & 3m "in context"
INFO01	LOMURNO	GIUSEPPE	UNIFI
INFO03	MASSA	JACOPO	CNR-ISTI (thematic)
INFO01	MASSIDDA	RICCARDO	UNIFI
MSCA ITN	MWANIKI	MOSES NJAGI	SUPERNUMERARY
INFO01	OTTIMO	ALBERTO	UNIFI
INFO01	PISCIOTTA	GABRIELE	RT cybersecurity & 3m "in context"
INFO01	PUGLIESE	CHIARA	SUPERNUMERARY
INFO01	SEMOLA	RUDY	UNIFI
INFO01	TONCI	NICOLO'	RT 6m abroad

## Notes

- RT themes broad ("methodologies and tools for")
- "context" = company or research institution (CNR included)
- You will receive an official communication from our administration

Scholarships

Courses and seminar series

# Courses and seminar series

- By the end of your 3rd year, you must get the credits of:
  - 6 Ph.D. courses and
  - 3 seminar series
- Some info
  - Ph.D. course: ~ 16 hours of lectures + exam
  - Seminar series: ~20 hours + at least 80% attendance (no exam)
  - You can take at most two courses from other Ph.D. schools (including summer schools) – provided there is a final exam
- You must submit your **study plan** to the Ph.D. Steering Committee BEFORE attending the courses and seminars
- Credit registration: You must inform me\* when you get credits of courses/seminar series

\* One unit of admin personnel is currently being hired.



# Courses for a.y. 2021/2022

- Linear algebra, non-negative matrices and their applications
- Continual Learning: On Machines that can Learn Continually
- Mobile CrowdSensing and the Edge: An outlook to distributed architectures and privacy aspects
- Distributed Ledger Technology: theory and applications
- Low rank approximation techniques for matrices and tensors
- Component-wise definition of programming languages
- Design Thinking for Scientists
- Big Data Analytics: Marine Data as a Case Study
- Programming Tools and Techniques in the Pervasive Parallelism Era
- Foundation of Computing\*
- Data compression and compressed data structures
- Challenges in Modern Web Search

Scholarships

Courses and seminar series

Route-to-thesis

# Route-to-thesis: 1 / 3

## First year

### September

- You propose to Ph.D. Steering Committee the name(s) of your supervisor(s) <sup>[1]</sup>
- Your supervisor(s) proposes to Ph.D. Steering Committee your «Internal» Thesis Committee <sup>[2]</sup>

### October

- You submit your **thesis proposal** <sup>[3]</sup> and present it to your «Internal» Thesis Committee
- Ph.D. Steering Committee admits you to the following year



## Notes

<sup>[1]</sup> You don't actually need to wait till September to choose your supervisor(s)

If you need help, just drop me an email

<sup>[2]</sup> Advising role of «Internal» Thesis Committee

<sup>[3]</sup> Thesis proposal: ~30 page document, ~30 min presentation

Must identify topic + summarise state-of-the-art + draft workplan (+ describe first results, if any)

Pegaso grant holders must also submit (short) activity at the end of their first year

# Route-to-thesis: 2/3

## Second year

### October

- You present your **progress report** <sup>[1]</sup> to your «Internal» Thesis Committee
- Ph.D. Steering Committee admits you to the following year



### Notes

[1] Presentation of progress report: ~30 min presentation (no document to deliver)

Pegaso grant holders must also submit (short) activity at the end of their second year

# Route-to-thesis: 3/3

## Third year

- October
  - Your supervisor(s) proposes to Ph.D. Steering Committee 2 possible Reviewers
  - You submit your **Ph.D. thesis** <sup>[1]</sup>
- November
  - You present your Ph.D. thesis to your «Internal» Thesis Committee
  - Ph.D. Steering Committee accepts of your submissions and sends it to the Reviewers <sup>[2]</sup>
- End of December
  - Reviews received, you have 1 month to revise your thesis <sup>[3]</sup>
- ~End of February / start of March
  - You **defend** your Ph.D. thesis with the designated Jury



### Notes

<sup>[1]</sup> October 31st: firm deadline (only exception: motivated grant suspension, to be approved by PhD Steering Committee)

<sup>[2]</sup> Ph.D. Steering Committee could decide to allow you more time to complete the thesis (max 2M, no grant extension)

<sup>[3]</sup> Reviewers may suggest to postpone defense (max 6M, no grant extension)

Pegaso grant holders must also submit (short) activity at the end of their third year

All of you must comply with the administrative duties required by the Ph.D. admin

Scholarships

Courses and seminar series

Route-to-thesis

Other information

# Go abroad

You are all warmly encouraged to spend a period abroad (mandatory for some scholarships)

50% increase of grant for period abroad (for at most 18 months)



# Your duties

- All the administrative actions required at <https://dottorato.di.unipi.it/en/>
- All the activities required by our School
- Recall that you need an explicit approval
  - To modify your study plan
  - To go abroad (both for business travels and for research stays)
  - To go «in context»
  - To do teaching activities
  - To do any **working activity**



## Other «benefits»

- “10% funds” assigned to grant holders in their 2<sup>nd</sup> and 3<sup>rd</sup> year (~1,500€ p.y.)
- Our Department tries to support participation of 1<sup>st</sup> year students in a summer school to 1<sup>st</sup> year students (600-800€)
- UNIPI tries to provide (basic) hardware to 1<sup>st</sup> year students

# Some useful links

Enrollment, tuition fees Administrative duties	→	UNIFI Ph.D. Office <a href="http://sportellovirtuale.unipi.it/">http://sportellovirtuale.unipi.it/</a> <a href="https://dottorato.di.unipi.it/en/">https://dottorato.di.unipi.it/en/</a>
Conference registrations and purchase requests	→	Camilla Sovani (camilla.sovani@unipi.it, @CS Dpt.)
Business travels	→	Ramona Serafini ( <a href="mailto:ramona.serafini@unipi.it">ramona.serafini@unipi.it</a> , @CS Dpt.)
Logistics	→	Luigi Capuano ( <a href="mailto:luigi.capuano@unipi.it">luigi.capuano@unipi.it</a> , @CS Dpt.)
Stationery	→	Rita Cantini ( <a href="mailto:rita.cantini@unipi.it">rita.cantini@unipi.it</a> , @CS Dpt.)
International students	→	UNIFI Welcome Office ( <a href="mailto:international@unipi.it">international@unipi.it</a> ) Veronica Tomatis ( <a href="mailto:veronica.tomatis@unipi.it">veronica.tomatis@unipi.it</a> , @CS Dpt.)

\* One unit of admin personnel is currently being hired.

Q&A

The image features the text "Q&A" rendered in a 3D, blue, sans-serif font. The letters are thick and have a slight shadow underneath, giving them a three-dimensional appearance. The ampersand is slightly smaller and positioned between the 'Q' and 'A'. The entire text is set against a plain white background and casts a soft, light blue reflection on the surface below it.

Scholarships

Courses and seminar series

Route-to-thesis

Other information

Please introduce yourself



# Introduce yourself

public domain

Scholarships

Courses and seminar series

Route-to-thesis

Other information

Please introduce yourself

Three tips

[0. "Stay hungry, stay foolish"]



1. Learn to **accept** criticisms and failures, and grow from them.

2. Learn to **survive** in the publish-or-perish age.



3. **Enjoy** your PhD years. Really 😊.