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 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 for cycle 37

## Results of selections*

<table>
<thead>
<tr>
<th></th>
<th>INFO01</th>
<th>INFO02</th>
<th>INFO03</th>
<th>INFO04</th>
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<th>INFO07</th>
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<td>IIT</td>
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<td>2</td>
<td>4</td>
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<td>2</td>
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<td>1</td>
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*The selection for other 6 scholarships co-funded by PON is in its final stage*
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.

<table>
<thead>
<tr>
<th>INF004</th>
<th>ALABASI</th>
<th>WESAM NITHAM</th>
<th>CNR-IIT (thematic)</th>
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<td>FLAVIO</td>
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<td>LUCA</td>
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<td>ANDREA</td>
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<td>JACOPO</td>
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<td>MWANIKI</td>
<td>MOSES NJAGI</td>
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<td>GABRIELE</td>
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<tr>
<td>INF001</td>
<td>TONCI</td>
<td>NICOLO'</td>
<td>RT 6m abroad</td>
</tr>
</tbody>
</table>

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

https://dottorato.di.unipi.it/phd-programme/teaching/
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) [1]
- Your supervisor(s) proposes to Ph.D. Steering Committee your «Internal» Thesis Committee [2]

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

Notes
[1] You don’t actually need to wait till September to choose your supervisor(s)
   If you need help, just drop me an email
   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
Second year

October

- You present your progress report [1] 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
Third year

- **October**
  - Your supervisor(s) proposes to Ph.D. Steering Committee 2 possible Reviewers
  - You submit your **Ph.D. thesis** [1]

- **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 [2]

- **End of December**
  - Reviews received, you have 1 month to revise your thesis [3]

- **End of February / start of March**
  - You **defend** your Ph.D. thesis with the designated Jury

Notes

[1] October 31st: firm deadline (only exception: motivated grant suspension, to be approved by PhD Steering Committee)
[2] Ph.D. Steering Committee could decide to allow you more time to complete the thesis (max 2M, no grant extension)
[3] 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\textsuperscript{nd} and 3\textsuperscript{rd} year (~1,500€ p.y.)

- Our Department tries to support participation of 1\textsuperscript{st} year students in a summer school to 1\textsuperscript{st} year students (600-800€)

- UNIPI tries to provide (basic) hardware to 1\textsuperscript{st} year students
## Some useful links

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

* One unit of admin personnel is currently being hired.
Scholarships
Courses and seminar series
Route-to-thesis
Other information
Please introduce yourself
Introduce yourself
Scholarships
Courses and seminar series
Route-to-thesis
Other information
Please introduce yourself
Three tips
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 😊.