LASIGE alumni in academia

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LASIGE Welcome Day – October 14, 2020
About me

• I’m in LASIGE for 10+ years

• Started as a 4M undergrad internship in 2009

• Became a MSc and PhD while working in LASIGE projects

• Now, I’m an invited assistant professor at DI and an integrated researcher at LASIGE

• My research interests include:
  - Distributed systems
  - Dependability
  - Fault Tolerance
  - Storage of critical data
  - Cloud computing

Efficient, Dependable Storage of Human Genome Sequencing Data
• **This talk** is a *mix* of:
  
  o **My experience** in LASIGE
  
  o **Tips** I would like to receive if I started it again
  
  o **Changes** I observed during this time
Many things can change in a decade …
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LASIGE Welcome Day
Many things can change in a decade …

LASIGE Workshop
Many things can change in a decade …

Team building sessions
Many things can change in a decade…

- Many other things have also changed (for better)...
  - LASIGE organization
  - Interdisciplinarity of research lines
  - Interaction between different research lines
  - Visual identity and products
3 tips for new members
#1: Get involved
#1: Get involved

- **Participate in research projects**
  (FTH-GRID, CloudFIT, BiobankCloud, SUPERCLOUD, DiSIEM, IRCoC, etc)

- Automatic MapReduce deployment
- Adapting replicated services
- Privacy-sensitivity in human genomes
- Diversity in cloud computing
- Secure data-centric multi-cloud storage
- Similarity-based deduplication
- Audit secure multi-cloud storage
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Working for the BiobankCloud

- 6 deliverables ↔ 7 publications ↔ 2 chapters of the PhD thesis
- + many project calls, meetings, workshops, posters, networking
#1: Get involved

- **Participate in research projects**
  (FTH-GRID, CloudFIT, BiobankCloud, SUPERCLOUD, DiSIEM, IRCoC)

- **Participate in other LASIGE activities**
  (talks from research lines, workshops, meetings, evaluations, team building sessions, etc)

- **Help to maintain infrastructures, software, inventory, websites**
  (LASIGE Workshop website, BiobankCloud website, Navigators cluster, wiki and inventory, etc)

- **Organize events* and talks**
  (LASIGE workshop 2017, 2018, 2019, 2020 and LASIGE WelcomeDay 2020)

* we are looking for volunteers to help organizing the 2021 Workshop and WelcomeDay ;)

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- deliverables ↔ papers/studies

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- #1: Get involved
- deliverables ↔ papers/studies
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#2: Pursue research excellence
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• LASIGE is currently evaluated as excellent by FCT
  (everyone is part of it and is responsible for keeping it this way)

• Favor quality rather than quantity
  (but still Ciências is responsible for more than ¼ of ULisboa publications = best ratio of papers per capita of ULisboa)

• Top conferences and journals are hard
  • Hard to approve a paper in the first submission
  • Improve papers with the reviews/feedback
    (even if you don’t totally agree with the feedback)
    (if more than one reviewer is saying the same thing, there is a large chance your paper is directing the reader to interpret that)

• Rehearse conference and thesis presentations
  (the hardest questions will be done in LASIGE, then you will feel prepared to the real talk)

• Rejections are common
  (more common than you wish and expect)
#3: You are not alone
#3: You are not alone

• **LASIGE** is a group of very **collaborative people**
  (though they have their own work to do)

• **When you are stuck:**
  - **Try your best** to keep moving forward
  - **Let others know** *(bottom-up/narrow-broad approach)*
  - Very likely **someone else has dealt** with a similar case

• **Resilience and openness** are key
  *(Resilience to keep moving forward, openness to improve from different opinions)*

• **Good luck and go for it!**
Thank you!

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