

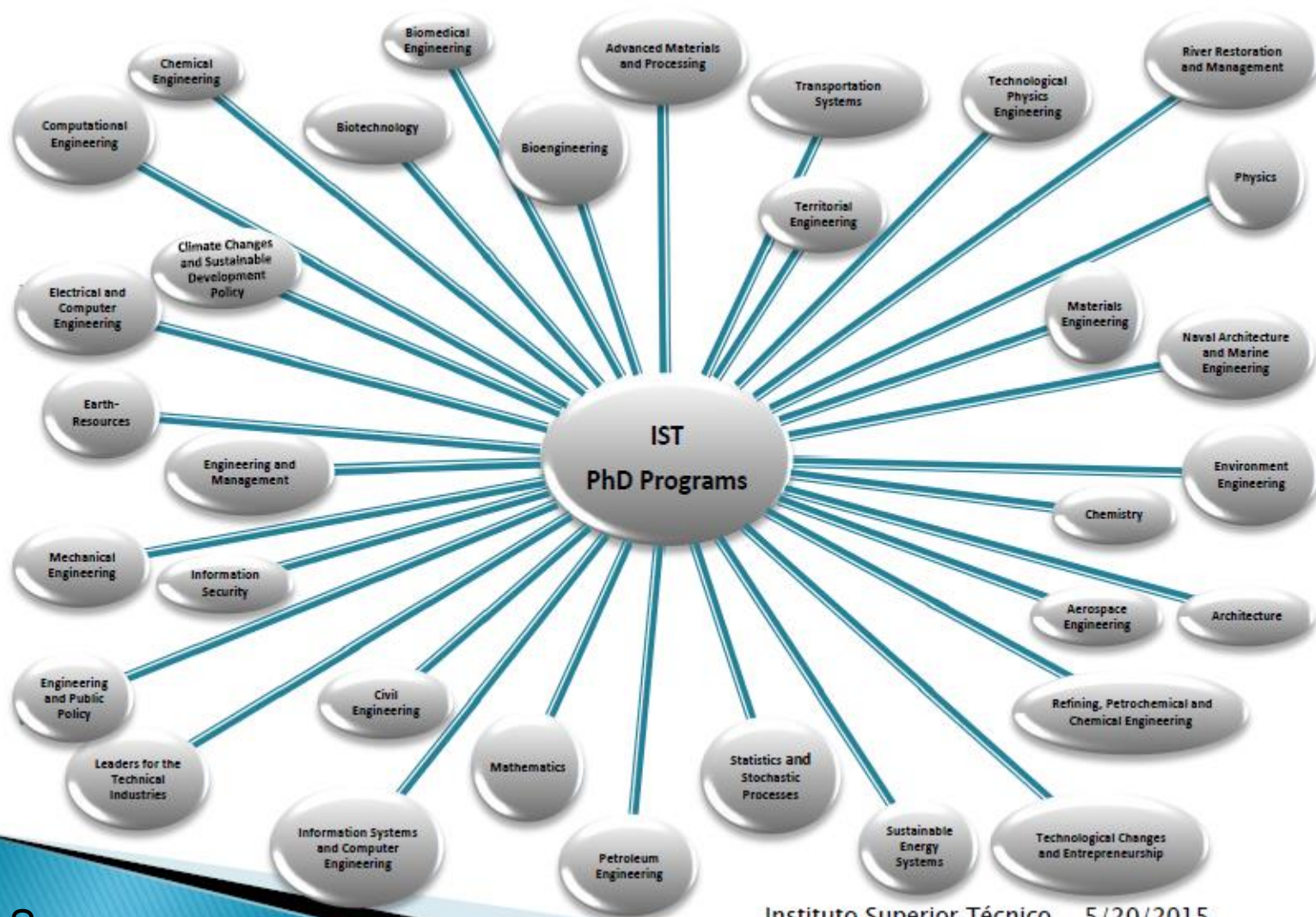
Doctoral Programs at IST

Guidelines and Funding

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Generalities

- Doctoral Degree is awarded in
 - Science
 - Engineering
 - Engineering and Management
 - Architecture
- Doctoral Degrees in association with other universities



Instituto Superior Técnico 5/20/2015

Doctoral Program (3 – 4 years)

- Course work – 30 to 60 ECTS
 - Diploma of Advanced Studies
- Thesis preparation – 150 to 120 ECTE
- Tuition – 3 K€ per year

Who Can Apply?

- Holders of master's degree, or legal equivalent
- Holders of a bachelor degree, with a particularly relevant academic or scientific CV recognized by the Scientific Council
- Holders of a particularly relevant academic or scientific CV recognized by the Scientific Board of IST as attesting capabilities to carry out the program

Selection of Applications

- Automatic admission
 - Holders of master's degree in an area adequate to the program with final grade ≥ 16
 - Holders of master's degree in an area adequate to the program with final grade ≥ 14 and a particularly relevant academic or scientific CV

- Conditional Admission on Approval in a Bridging Program
 - Holders of master's degree in an area less (or not) adequate to the program but with a final grade ≥ 16 and a particularly relevant academic or scientific CV
 - Holders of bachelor degree in an area adequate to the program with final grade ≥ 17 and a particularly relevant professional, academic or scientific CV

Scientific Coordination

- Scientific Board
 - Scientific coordinator (President)
 - Faculty including Researchers with a PhD degree

- Competencies of the Scientific Board
 - Promote the program
 - Select the candidates
 - Designate the advisors (co-advisers if appr)
 - Prepare (with the advisors) the course work plan for each student (advanced courses, bridging program and qualifier if appl)
 - Propose the members of the prospectus committee (review and follow up)
 - Propose the members of the thesis committee

Prospectus Committee

- Composed by
 - Advisor(s), minimum of two faculty and/or specialist of recognized merit
- Competencies
 - Approve the thesis proposal after the public seminar presentation
 - Suggest corrections and guidelines if appl
 - Follow up the progression of thesis work

Thesis Committee

- Rector (can delegate – President of IST)
- Adviser(s) + At least three PhD
 - At least 2 from other national or foreign universities
 - one individuality of recognized competence in the scientific field of interest
- Two members are designated as reviewers

Thesis Committee – first meeting

- Tacking into account the reviewers reports, the committee decides:
 - Aproval for public discussion
 - Aproval with minimal changes (20 days)
 - Rejection (6 months for rewriting and resubmission)
 - Second meeting (if appl)

Public Discussion

- 2 ½ hours (maximum)
- First 30 min: student presentation of a summary of his work
- Next 2 hours: shared in equal parts between all members (except the president) of the committee and the student
 - First hour discussion with the 2 reviewers

Thesis committee decision

- Majority voting (not including the president)
 - Not Approved
 - Approved*
 - Good
 - Very Good
 - *summa com laude* (unanimity)

*the student can still make small corrections suggested by the committee

Funding – Foundation for Science and Technology (FCT)

- Portuguese Scientific System
 - Universities and Research Institutions
 - Research Projects
 - FCT Doctoral Programs
 - People
 - Researchers
 - Post Doctoral students
 - Doctoral Students

Funding Doctoral Students

- National Call in all areas
 - 1K€ + 2.75 K€
- FCT Doctoral Programs
 - The same plus some marginal funding of the involved institutions
- Research projects
 - Research engineers – 1K€

How to use the opportunities at IST

- How to pay the tuition?
 - No problem for the FCT grant holders
 - Doctoral students affiliated to a research center/institute of IST only pay 50%
 - Use overheads allocated to you as PI of past projects

Off the record

- How to workout (virtual) multidisciplinary programs under constraints
- How to enable cooperation among (competing, antagonist) national universities

Carnegie
Mellon
Portugal
Program

New Generation Networks
for High-Quality Trusted Services

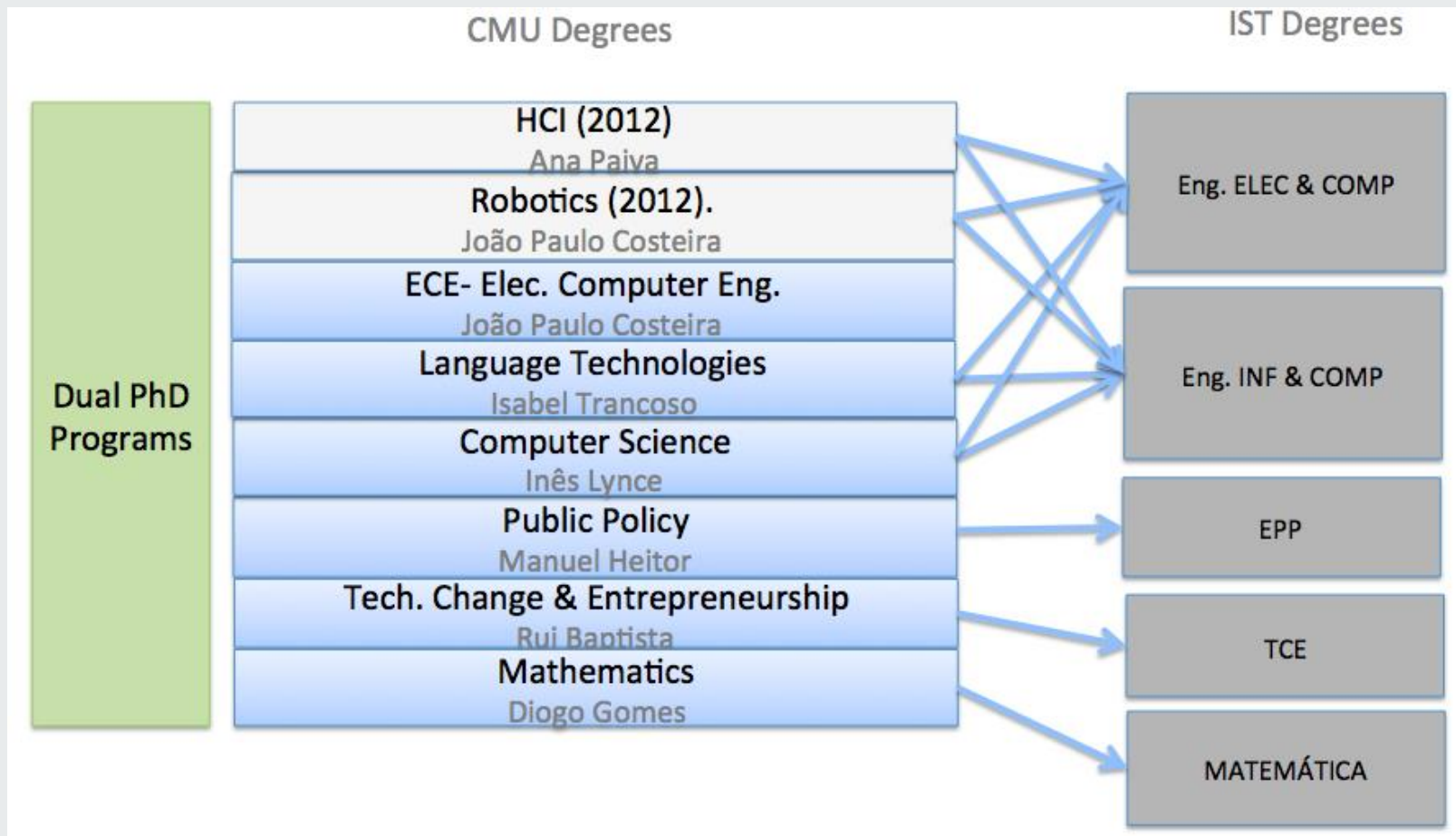
Software Engineering for
Large-Scale Dependable Systems

Cyber-Physical Systems
for Ambient Intelligence

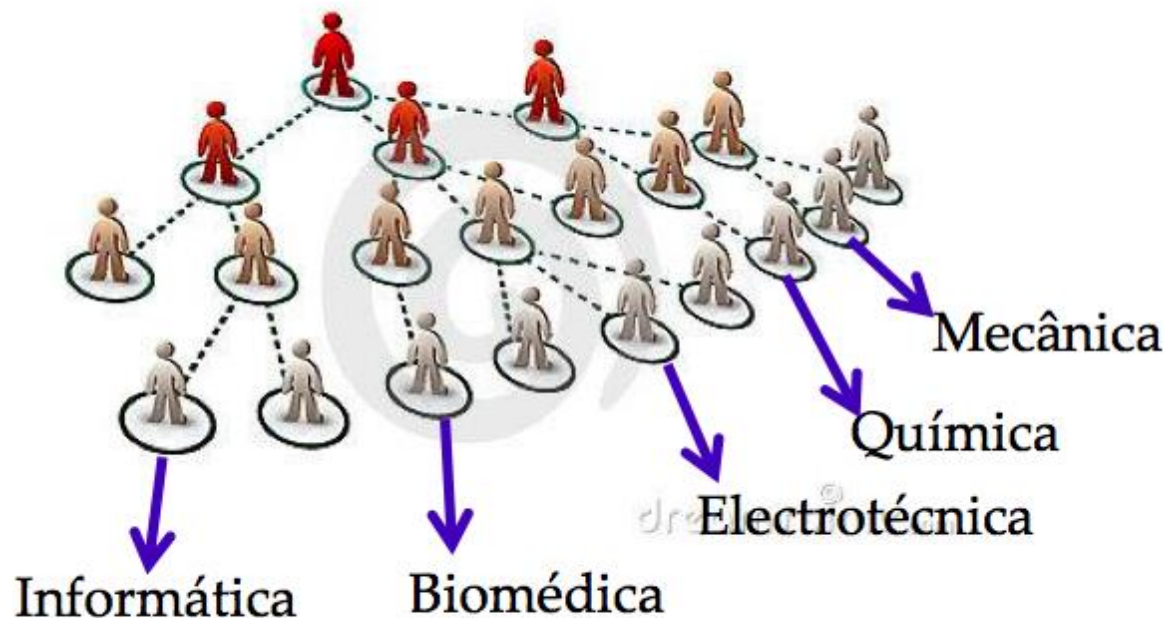
Human-Centric
Computing

Applied
Mathematics

Public Policy
& Entrepre-
neurship
Dynamics in
New ICTs



Too much structure kills creativity



Controlo
Optimização
Sinal
Image
Aprendizagem A.

The world is not like that today!



Energia
Telecom
Mobility
Transportation
Robótica
Critical Infrastructures
Nano Materials
Public Policy

Multidisciplinaridade => Cooperação




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NEWS & EVENTS



July 20-25, 2011
1st Lisbon Machine Learning School
Instituto Superior Técnico, Universidade Técnica de Lisboa, Portugal [more](#)

Faculty Exchange Program [more](#)

Strategic Plan: "An Innovation Agenda for Research, Technology and Graduate Education" [more](#)

 **Fellowships & Scholarships**

Welcome to Carnegie Mellon | Portugal Program

The Carnegie Mellon Portugal program aims to create new knowledge in key focused areas of ICT by means of cutting-edge research, world-class graduate education and a close connection with the Portuguese industry.

ADVANCING KNOWLEDGE

REDEFINING EDUCATION


PARTNERS IN INNOVATION

IMPACTING SOCIETY

Portuguese CEO Gave a Lecture at the Carnegie Mellon Engineering Leadership Speaker

Rodrigo Costa, CEO of ZON Multimedia, SGPS, spoke to an audience of faculty, staff, and graduate students from Carnegie Mellon University about key aspects of effective management and the growth of his company. His presentation was entitled *Innovate, Compete, Motivate*.

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01/09/2015