Colloquia Doctoralia
PhD Program in Information Technology

Prof. Andrea Bonarini
Chair
September 23rd, 2016
Colloquia Doctoralia 2016

- 11.30 – 12.00 Overview of the PhD IT Program

- 12.00 – 12.30 Invited speakers and awards ceremony:
  ➢ 2016 Chorafas Foundation Award recipient
     Dr. Matteo Pirotta

- 12.30 – 14.00 Lunch break and poster presentation by
  students of the last year

- 14.00 – 14.45 Panel discussion with the reference committee of
  the Ph.D. program
PhD students at DEIB – 2015-2016

- 188 enrolled students (-14)
  including 68 from abroad (-1)
- 56 titles awarded (+4)

Distribution according to Dept. areas

- Computer Science and Engineering: 72
- Telecommunications: 44
- Electronics: 38
- Systems and Control: 34
DEIB People (2016): staff by role

737 people

- 239 PHD Students
- 187 Research Assistants
- 96 Associate Professors
- 70 Full Professors
- 69 Assistant Professors
- 63 Tech. & Adm. Staff
- 13 CNR
Admission – call 2016

- Issued in April

- Deadline: May 27

- **total 62** Available positions (-18) divided in **four areas**:
  - Computer science and engineering **21**
  - Electronics **19**
  - Systems and control **14**
  - Telecommunication **8**

- Scholarships: **43** (+3) (**15** from MIUR, **28** from Politecnico, DEI, industries, other)

- Other grants available from supervisors

- Applications: **234** (+25), 145 from abroad/89 from Italy

- Selection of admitted students: end July. Enrollment on the way

- Program start: **1 November 2016**

**Fall 2016 call** (industrial PhD only): **start May 1st 2017**
Scholarships and other grant opportunities

Grant situation for PhD call 2016

- Government Scholarships: 15
- Industry Scholarships: 9
- Research Grants: 9
- Department Scholarships: 10
PhD student activities

PhD program duration: 3 years (with possible extension to a fourth year)

Courses:
- All DEIB teaching activities in English
- 30 credits courses (typically 6 courses x 5 credits)
- At least 5 credits from courses of the PhD school (basic formation)

Possibility to perform a research period abroad

During the PhD program a limited teaching activity (≤ 40 hours/year) is also possible
PhD IT Internationalization

Foreign students (cycles: XXIX – XXX - XXXI): 68

Periods of study and research abroad
Percentage of last cycle PhD students that went abroad during their doctoral studies:
60% (32/53)
Average length of the stays: 7 months
Funds - 2015

Budget allowance in 2015: 188.678,91 euros

- 67% Expenses for mission and elective activities
- 25% Expenses for teaching activities
- 3% Expenses for communication activities
- 3% Investment Expenditure
- 2% Other expenses

Total 188.678,91 €
Employment of PhD Alumni ending in 2013-2014

- 8.4% Politecnico di Milano
- 13.3% Other Universities
- 13.3% Public Research Institute
- 4.8% Private Research Institute
- 42.2% Private Companies
- 10.2% Consulting Engineering Companies
- 1.2% Professional Studies
- 6.0% Start Up / Spin Off
2016 Awards to PhD Students

Best Junior Carassa Award 2016: Andrea Annoni
CPSWEEK Best PhD Forum Presentation Award: Naveed Anwar Bhatti
Ericsson Innovation Award – 3rd place: Saleem Shahid
iEMSs 2016 Student Best Presentation Award: Francesca Recanati
IEEE CAS DAY 2016 Best Poster Award: Giacomo Gervasoni
IEEE PRIME 2016 Golden Leaf Award: Dmytro Cherniak
IEEE RNDM 2016 Best Paper Award: Ali Hmaity
IEEE RO-MAN 2016 Special Best Paper Award: Mirko Gelsomini
ACM ASSETS 2016 Student Research Competition (SRC) sponsored by Microsoft Research: Mirko Gelsomini
IEEE WACV Best paper Award 2016: Andrea Romanoni
XILINX Open Hardware 2016 Award for PhD FPGA Category: Giuseppe Natale
23rd RAW Best Demo Award: Emanuele Del Sozzo

Dimitris N. Chorafas Foundation Award: Matteo Pirotta, Stefano Ambrogio

Awarded Universities
Charles University of Prague
City University London, Cass Business School
Ecole Polytechnique de Lausanne
George Washington University
Hebrew University of Jerusalem
Hiroshima University
Karolinska Institutet
Massachusetts Institute of Technology
National Technical University of Athens
Norwegian University of Science and Technology
Politecnico di Milano
Purdue University
Technical University of Berlin
Technical University of Munich
Tokyo Institute of Technology
Tsinghua University
University of California, Los Angeles (UCLA)
University of Toronto
Weizmann Institute of Science