COLLOQUIA  
DOCTORALIA  
2019

PhD in Information Technology

NOVEMBER 15TH 2019
CONFERENCE ROOM

COMPUTER SCIENCE
AND ENGINEERING
ELECTRONICS
SYSTEMS AND CONTROL
TELECOMMUNICATIONS

Location: Conference Room “E. Gatti”
Dipartimento di Elettronica,
Informazione e Bioingegneria
Politecnico di Milano
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The PhD program in Information Technology is established at the Dipartimento di Elettronica, Informazione e Bioingegneria (DEIB) of Politecnico di Milano and is a part of the Polimi PhD School. It opens interesting possibilities of extended study and participation in high level research in IT, in particular: hardware and software development and management, automatic control, electronic components and systems, instruments, telecommunication networks, decision support systems, artificial intelligence, machine learning, robotics. Scientific collaboration of DEIB with prestigious research institutes in Europe, the United States, China and elsewhere, brings the candidates into the world of international research through meetings with scientists and visits to laboratories in Italy and abroad. Intense industrial collaboration of DEIB in applied research allows the doctoral student to become acquainted with the activities of technologically advanced companies, thus acquiring the necessary elements for an informed choice between a career in industrial research and in universities. About 60 students are enrolled annually, on a 3-years track, most of them being supported by scholarships provided by public institutions and private companies, as well as by the supervisors on funds obtained for their national and international research projects.

**INDUSTRIAL REFEREES**

Giorgio Ancona, Atos  
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Mario Caironi, IIT  
Paolo Cederle, Everis  
Luigi Cicchese, Concept Reply  
Cristina Cremonesi, The European Ambrosetti  
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Luisa Venturini, Vodafone Italy  
Stefano Verzura, Huawei Technologies  
Roberto Villa, IBM Italy

**PROGRAM**

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14.00  Barbara Pernici - Overview of the IT PhD Program  
14.15  Third-year students’ posters presentations  
15.10  Poster session (DEIB Hall)  
16.00  Chorafas award 2019  
Alberto Bernardini, Advances in wave digital modeling of linear and nonlinear systems  
Dmytro Cherniak, Digitally-intensive frequency modulators for mm-Wave FMCW radars  
16.20  Panel - Technological innovation and new professions in the companies  
17.20  Poster awarding and conclusions