### PhD programme

**INFORMATION ENGINEERING**

**President:** Prof. Marco Luise

**Department:** Department of Ingegneria dell’Informazione – Via G. Caruso, 16 – PISA

**Admission requirements:** Any Master’s degree

**Outcome of the selection procedure:** Ranking of candidates for the whole Ph.D. programme

<table>
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<tr>
<th>PhD Positions Available</th>
<th>Positions available</th>
<th>of which</th>
<th>14 with grant</th>
<th>3 without grant</th>
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**Details:**

| 9 | grants financed by University of Pisa |
| 1 | grant financed IIT CNR |
| 1 | grant financed by Centro Piaggio, University of Pisa, on subject: “Design and control of soft robots for enhanced mobility and environment perception” |
| 1 | grant financed by Centro Piaggio, University of Pisa, on subject: “Advanced Planning and control techniques for autonomous platforms in industrial applications” |
| 1 | grant financed by Centro di servizi Polo Universitario Sistemi Logistici di Livorno, University of Pisa, on subject: “Design of analog integrated circuits for machine learning” |
| 1 | grant financed by Cobham Geisler on subject: “Advanced multi-core processor architectures for space applications” |

**Selection criteria:**

**Curriculum**

The curriculum, signed and accompanied by a copy of a valid identification document, shall be uploaded only during the application process. The curriculum must provide information about the candidate’s academic qualifications as well as his/her professional and research experience. **The candidate shall attach all the documents useful for the assessment of his/her curriculum.**

Minimum grade: 16 out of 30

The list of candidates admitted to hold the written examination shall be published at [http://dottorato.unipi.it/](http://dottorato.unipi.it/) “Admissions” at least five days before the written examination.
**Written examination**

The written test is aimed at verifying the educational prerequisites. The candidate may hold the test either in Italian or English. The written test consist in a dissertation on general topics related to the fields of ICT, Electronics, Automation/Robotics, Biomedical Engineering.

**Date** 03rd September 2018 **Time** 9,00 a.m. (Italian Time)

**Venue:** Department of Ingegneria dell'Informazione – Via G. Caruso, 16 – PISA

**Minimum grade:** 21 out of 30

**Interview**

The interview will assess the candidate’s knowledge, her/his aptitude for research, openness to academic experiences in Italy and abroad and an interest in scientific deepening.

**Date** 05th September 2018 **Time:** 9,00 (Italian Time) with the possible prolongation to the following day/s (excluding Saturdays and/or Sundays).

**All candidates shall be present on the first day of the meeting to ascertain the interview schedule**

**Venue:** Department of Ingegneria dell’Informazione – Via G. Caruso, 16 – PISA

**Minimum grade:** 21 out of 30

**Webconference:** **NO**

**Guidelines for the presentation of the PhD Research project**

Required: **NO**
Overview and objectives of the PhD course:
The aim of the Doctorate program is the creation of skilled young researchers in the general field of ICT, Automation, Robotics, and Biomedical Engineering, and in particular in the following areas: Analog and RF circuit design; Assistive technologies and Rehabilitation; Automation; Communications; Digital circuits and systems; Distributed and Embedded Systems, and Pervasive Computing; Electromagnetics; Guidance and Navigation; Information Systems; Intelligent Systems; Medical Imaging; Micro/Nanosystems and Nanoelectronics; Nanotechnologies; Networking; Radar Systems; Remote Sensing; Robotics; Sensors, Biosensors, and Intelligent Materials; Signal and Image processing; Vehicular and power electronics. The program is hosted by the Dipartimento di Ingegneria dell'Informazione (DII) www.dii.unipi.it of the University of Pisa, counting more than 80 permanent teaching/research staff, as well as more than 20 laboratories in the areas above. By its very nature, and exploiting the resources of the DII, the Doctoral program represents a special opportunity towards the creation of those multi-disciplinary skills that the world of research more and more calls for.

Website:
http://phd.dii.unipi.it/en