PhD in INGEGNERIA DELL'INFORMAZIONE / INFORMATION TECHNOLOGY - 39th cycle

Research Area n. 2 - Electronics

THEMATIC Research Field: ELECTRONICS

<table>
<thead>
<tr>
<th>Monthly net income of PhD scholarship (max 36 months)</th>
</tr>
</thead>
<tbody>
<tr>
<td>€ 1400.0</td>
</tr>
</tbody>
</table>

In case of a change of the welfare rates during the three-year period, the amount could be modified.

Context of the research activity

Motivation and objectives of the research in this field

In the research activity, developments carried out in electronic, microelectronic, and optoelectronic devices, circuits, and systems find use in a variety of topics of interest in today's society. Beside typical themes of the ICT (Information and Communication Technology), the research work looks to other developments, such as application of nanoelectronic and diagnostic technologies to genetics and biomedicine, diagnostics of cultural heritage and analysis of materials. The research framework is naturally dynamical and it evolves continuously driven by prospects and new initiatives.

http://www.deib.polimi.it/eng/electronics

Methods and techniques that will be developed and used to carry out the research

The research is carried out typically within a research group under the guidance of a supervisor. The activity is frequently carried out in international collaborations as well as in an interdisciplinary framework. Laboratory activity is usually part of the research workplan.

Educational objectives

The doctoral program offers advanced training in the hot topics explored by the scientific community and industry. A period of study within one foreign research institution is encouraged and financially supported by the doctoral school.
Job opportunities
Careers in the leading electronics companies are facilitated by the strong connection between the academic and industrial research. Post doc positions in the university are frequently offered.

Composition of the research group
11 Full Professors
11 Associated Professors
5 Assistant Professors
61 PhD Students

Name of the research directors
Any faculty member can act as research director

Contacts
Prof. Angelo Geraci
Coordinator of the Electronics area
E-mail: angelo.geraci@polimi.it
Phone: +39 02 2399 6095
Web: https://www.deib.polimi.it/eng/people/details/212366

Prof. Luigi Piroddi
Coordinator of the Ph.D. IT Programme
E-mail: luigi.piroddi@polimi.it
Phone: +39 02 2399 3556
Web: https://www.deib.polimi.it/eng/people/details/318548

Additional support - Financial aid per PhD student per year (gross amount)

<table>
<thead>
<tr>
<th>Housing - Foreign Students</th>
<th>1st year</th>
<th>2nd year</th>
<th>3rd year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1500.0 €</td>
<td>1000.0 €</td>
<td>1000.0 €</td>
</tr>
<tr>
<td></td>
<td>per student</td>
<td>per student</td>
<td>per student</td>
</tr>
</tbody>
</table>

max number of financial aid available: 1, given in order of merit ..

Housing - Out-of-town residents
(more than 80Km out of Milano) --

Scholarship Increase for a period abroad

<table>
<thead>
<tr>
<th>Amount monthly</th>
<th>700.0 €</th>
</tr>
</thead>
<tbody>
<tr>
<td>By number of months</td>
<td>6</td>
</tr>
</tbody>
</table>

Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information

EDUCATIONAL ACTIVITIES (purchase of study books and material, including computers, funding for participation in courses, summer schools, workshops and conferences): financial aid per PhD student. 5,707,20 Euro per student
TEACHING ASSISTANTSHIP: availability of funding in recognition of supporting teaching activities by the PhD student
There are various forms of financial aid for activities of support to the teaching practice. The PhD student is encouraged to take part in these activities, within the limits allowed by the regulations.

COMPUTER AVAILABILITY:
1st year: Yes
2nd year: Yes
3rd year: Yes

DESK AVAILABILITY:
1st year: Yes
2nd year: Yes
3rd year: Yes