



# PhD in INGEGNERIA DELL'INFORMAZIONE / INFORMATION TECHNOLOGY - 40th cycle

Research Area n. 2 - Electronics

THEMATIC Research Field: ELECTRONICS

**Monthly net income of PhDscholarship (max 36 months)**

**€ 1400.0**

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

## Context of the research activity

<p><b>Motivation and objectives of the research in this field</b></p>	<p>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.</p> <p><a href="http://www.deib.polimi.it/eng/electronics">http://www.deib.polimi.it/eng/electronics</a></p>
<p><b>Methods and techniques that will be developed and used to carry out the research</b></p>	<p>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 a interdisciplinary framework. Laboratory activity is usually part of the research workplan.</p>
<p><b>Educational objectives</b></p>	<p>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.</p>



	<a href="http://dottoratoit.deib.polimi.it/">http://dottoratoit.deib.polimi.it/</a>
<b>Job opportunities</b>	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.
<b>Composition of the research group</b>	11 Full Professors 11 Associated Professors 5 Assistant Professors 61 PhD Students
<b>Name of the research directors</b>	Any faculty member can act as research director

<b>Contacts</b>	
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<b>Additional support - Financial aid per PhD student per year (gross amount)</b>	
<b>Housing - Foreign Students</b>	--
<b>Housing - Out-of-town residents (more than 80Km out of Milano)</b>	--

<b>Scholarship Increase for a period abroad</b>	
<b>Amount monthly</b>	700.0 €
<b>By number of months</b>	6

<b>Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information</b>
<p><b>EDUCATIONAL ACTIVITIES</b> (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</p> <p><b>TEACHING ASSISTANTSHIP:</b> availability of funding in recognition of supporting teaching</p>



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