



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

Research Area n. 4 - Telecommunications

THEMATIC Research Field: TELECOMMUNICATIONS

**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

<b>Motivation and objectives of the research in this field</b>	<p>The research field Telecommunications is focused on the design and implementation of devices, systems, networks (Internet, wireless networks, optical networks), services, and applications for the transmission and the processing of any type of signals (including audio, video, RADAR) and multimedia information. Particular attention is given to advanced networks and transmission systems for mobile and fixed users and to remote sensing applications aiming at earth observation and sub-soil exploration. The strong connection with leading companies (within and outside the telecommunication market) makes the mix between theory and application one of the strengths of the Telecommunications research field at Politecnico di Milano.</p> <p><a href="http://www.deib.polimi.it/eng/telecommunications">http://www.deib.polimi.it/eng/telecommunications</a></p>
<b>Methods and techniques that will be developed and used to carry out the research</b>	<p>The research is carried out with the support of a supervisor and of his research group. Seminars and courses are offered to encourage an interdisciplinary approach to the research. Computer simulation and/or laboratory activities are always required to finalize the research.</p>
<b>Educational objectives</b>	<p>The doctoral program offers advanced training in the hot topics explored by the scientific community and industry.</p>



	<p>A period of study within one among the worldwide most recognized research institutions is supported by the doctoral school and the supervisor.</p> <p><a href="http://dottoratoit.deib.polimi.it/">http://dottoratoit.deib.polimi.it/</a></p>
<b>Job opportunities</b>	Careers in the leading telecommunication, remote sensing, multimedia 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 20 Associated Professors 11 Assistant Professors 57 PhD Students
<b>Name of the research directors</b>	Any faculty member can act as research advisor

<b>Contacts</b>	
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<b>Additional support - Financial aid per PhD student per year (gross amount)</b>			
	<b>1st year</b>	<b>2nd year</b>	<b>3rd year</b>
<b>Housing - Foreign Students</b>	1500.0 € per student	1000.0 € per student	1000.0 € per student
	max number of financial aid available: 1, given in order of merit ..		
<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



**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

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