



# PhD in MODELLI E METODI MATEMATICI PER L'INGEGNERIA / MATHEMATICAL MODELS AND METHODS IN ENGINEERING - 40th cycle

**THEMATIC Research Field: MATHEMATICAL MODELS AND METHODS IN ENGINEERING**

**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>All candidates interested in developing their research in one of the areas of interest of the Department of Mathematics (see <a href="http://mate.polimi.it/index.php?view=ricerca">http://mate.polimi.it/index.php?view=ricerca</a>) are invited to apply for the grants in this area. The candidates will choose their specific research topic when the admission procedure is completed.</p>
<p><b>Methods and techniques that will be developed and used to carry out the research</b></p>	<p>The PhD program aims at training young researchers by providing them with a strong mathematical background and with the ability to apply their knowledge to the solution of problems that may arise in various areas of science, technology, industry, finance, management, whenever advanced methods are required in analysis, design, planning, decision and control activities.</p>
<p><b>Educational objectives</b></p>	<p>The PhD students carry their research in the development of new mathematical methods and/or in the implementation and improvement of advanced techniques in connection with specific contexts and applications. Further information can be obtained by consulting the dedicated website <a href="http://www.mate.polimi.it/dottorato">http://www.mate.polimi.it/dottorato</a></p>
<p><b>Job opportunities</b></p>	<p>Job opportunities are in italian or international universities, companies and research agencies which are leaders in their respective fields.</p>



<b>Composition of the research group</b>	28 Full Professors 52 Associated Professors 44 Assistant Professors 50 PhD Students
<b>Name of the research directors</b>	Michele Correggi

<b>Contacts</b>	
Program Chairman: Professor Michele Correggi e-mail: michele.correggi@polimi.it phone:+390223994523 <a href="https://sites.google.com/view/michele-correggi">https://sites.google.com/view/michele-correggi</a>	

<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>Educational activities (purchase of study books and material, funding for participation to courses, summer schools, workshops and conferences): financial aid per PhD student per year</p> <p>1st year: max 1.902,40 euros per student 2nd year: max 1.902,40euros per student 3rd year: max 1.902,40 euros per student.</p> <p>The PhD students are encouraged to take part in activities related to teaching, within the limits allowed by the regulations.1 individual PC per student +several shared PC.</p> <p>Access to one cluster with 32 processors and 384 GB RAM, and to several multi-processor servers.</p>