POLITECNICO DI MILANO

PhD in MODELLI E METODI MATEMATICI PER L'INGEGNERIA / MATHEMATICAL MODELS AND METHODS IN ENGINEERING - 39th cycle

Number of scholarship offered	3
Department	DIPARTIMENTO DI MATEMATICA

Description of the PhD Programme

PhD in Mathematical Models and Methods in Engineering Research Description of the research area.

All Candidates interested in developing their research in one of the areas of interest of the members of Department of Mathematics (see http://www.mate.polimi.it/index.php?view=ricerca) are invited to apply.They will be allowed to choose their specific research topic when the admission procedure will be completed. It should be noted that the number of offered scholarships may be increased before the end of the selection process. The PhD program Mathematical Models and Methods in Engineering 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 real-world problems arising in various areas of science, technology, industry, finance, management, whenever advanced methods are required in analysis, design, planning, decision and control activities. PhD students carry their research both in the development of new mathematical methods and 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 http://www.mate.polimi.it/dottorato

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OPEN SUBJECT Research Field: MATHEMATICAL MODELS AND METHODS IN ENGINEERING

Monthly net income of PhDscholarship (max 36 months)
€ 1325.0 In case of a change of the welfare rates during the three-year period, the amount could be modified.

Context of the research activity	
Motivation and objectives of the research in this field	All candidates interested in developing their research in one of the areas of interest of the Department of Mathematics (see http://mate.polimi.it/index.php?view=ricerca) are invited to apply for the grants in this area. The candidates will choose their specific research topic when the admission procedure is completed.
Methods and techniques that will be developed and used to carry out the research	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.
Educational objectives	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 http://www.mate.polimi.it/dottorato
Job opportunities	Job opportunities are in italian or international universities, companies and research agencies which are leaders in

	their respective fields.
Composition of the research group	28 Full Professors 52 Associated Professors 44 Assistant Professors 42 PhD Students
Name of the research directors	Michele Correggi

Contacts
Program Chairman: Professor Michele Correggi e-mail: michele.correggi@polimi.it phone:+390223994523 https://sites.google.com/view/michele-correggi

Additional support - Financial aid per PhD student per year (gross amount)			
	1st year	**2nd year**	**3rd year**
Housing - Foreign Students	1500.0 € per student	0.0 € per student	0.0 € per student
	max number of financial aid available: 3, given in order of merit ..		
Housing - Out-of-town residents (more than 80Km out of Milano)	--		

Scholarship Increase for a period abroad	
Amount monthly	662.5 €
By number of months	6

Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information
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 1st year: max 1.800,47 euros per student 2nd year: max 1.800,47 euros per student 3rd year: max 1.800,47 euros per student. 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. Access to one cluster with 32 processors and 384 GB RAM, and to several multi-processor servers.