



PhD in INGEGNERIA GESTIONALE / MANAGEMENT ENGINEERING - 38th cycle

Number of scholarship offered	14
Department	DIPARTIMENTO DI INGEGNERIA GESTIONALE

Description of the PhD Programme
<p>The Ph.D. programme in Management Engineering (DRIG) offers students advanced training and orientation towards research in the field of management, economics and industrial engineering. It aims to develop professionals able to carry out high-profile research in these fields in universities and international research institutions, manufacturing and service companies, regulatory authorities and other public bodies. The programme allows the student to develop a sound methodological background, multidisciplinary knowledge by attending courses designed to provide a multiplicity of visions, theories and approaches, a broad cultural panorama and the ability to study problems in an innovative manner, combining various analysis perspectives. The commitment of the Department of Management, Economics and Industrial Engineering (DIG) in the field of research and scientific cooperation with other academic institutions and major industrial and service companies offers an ideal environment for students to acquire leading-edge knowledge and cultivate their own research interests in a broad spectrum of research subjects.</p> <p>Research topics of the PhD Programme are aligned with the Research Areas of the Department:</p> <ul style="list-style-type: none"> • The Management Research Area is concerned with the study of management and innovation in companies, financial institutions and Public Administrations from a strategic and organizational point of view; • Researchers in the area of Applied Economics make use of economic theory and models to study problems arising in the industrial, international, financial, innovation and entrepreneurship domains. Investigations into these realms are conducted at multiple levels of analysis, including firms, industries, countries, individuals, public administrations and non'profit organizations; • The Industrial Engineering Research Area addresses the strategies, methodologies and techniques for planning, design, modelling, construction, operation, maintenance, processing and disposal of industrial plants, infrastructures and production systems of goods and services. <p>The knowledge developed within the three Research Areas is also used in a cross-disciplinary manner, under temporary Research Lines, in order to address significant emerging issues and challenges. More detailed descriptions - in terms of issues addressed, disciplinary research fields</p>



and methodology used - are available at <https://www.som.polimi.it/en/research/>.
Selected candidates are enrolled with the basic departmental scholarships, and the specific research subject will be assigned, with the agreement of the candidate and the Board of Professors of the PhD Programme, within the first months of the PhD activity. For specific research topics, further increments can be defined by the proposing research group (see the additional subject forms in the following pages describing the topics and the scholarships offered for each topic). Please refer to the call for further information.



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OPEN SUBJECT Research Field: ELECTIVE RESEARCH IN MANAGEMENT ENGINEERING

Monthly net income of PhDscholarship (max 36 months)	
€ 1195.50	
In case of a change of the welfare rates or of changes of the scholarship minimum amount from the Ministry of University and Research, during the three-year period, the amount could be modified.	
Context of the research activity	
Motivation and objectives of the research in this field	<p>Making use of theories and methodologies within the fields of management, economics, and industrial engineering to address leading-edge research issues, which contribute to both scholars' and practitioners' debate. PhD students are free to propose a specific research project, clearly showing how it fits with the research objectives of the Department's research lines: https://www.som.polimi.it/en/research/</p> <p>Admitted PhD students will conduct their research under the guidance of a supervisor.</p>
Methods and techniques that will be developed and used to carry out the research	<p>PhD students are encouraged to apply multiple methodologies (e.g., qualitative, quantitative, experimental methods) and research designs to develop and test their solutions, methodologies, models and theories.</p>
Educational objectives	<p>The DRIG doctoral program (Dottorato di Ricerca in Ingegneria Gestionale) offers advanced training in leading -edge areas at the core of the scientific community's debate and of practitioners and policymakers' interests. The doctoral school requests each student to spend a minimum of six months at a foreign research institution. During this period, students receive additional financial support.</p> <p>See here for further details: https://www.som.polimi.it/en/course/phd/</p>
Job opportunities	Thanks to competences and skills developed during their



	<p>doctoral training, candidates often achieve high-ranking job positions in the realm of research, innovation and general management. The DRIG program paves the way to careers in universities, research organizations, firms, start-ups and regulatory bodies. The candidates often receive invitations for post-doc positions from Italian and foreign universities. The strong connections the Department has with other universities, research institutions, firms and regulatory bodies boost the employability of DRIG PhDs laureates.</p>
Composition of the research group	<p>49 Full Professors 27 Associated Professors 39 Assistant Professors 120 PhD Students</p>
Name of the research directors	<p>Michela Arnaboldi, Cristina Rossi, Marco Macchi</p>

Contacts
<p>For additional information, please contact Mr. Claudio Duran, PhD-GES@polimi.it, ph.: +390223994846.</p>

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

Scholarship Increase for a period abroad	
Amount monthly	597.50 €
By number of months	6

Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information
<p><i>Funding for educational activities: 4.870,00 Euros for three years.</i></p> <p><i>Teaching assistantship: 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.</i></p> <p><i>Desk availability: shared use</i></p>



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OPEN SUBJECT Research Field: ORIENTED RESEARCH IN MANAGEMENT ENGINEERING

Monthly net income of PhDscholarship (max 36 months)	
€ 1400.0	
In case of a change of the welfare rates or of changes of the scholarship minimum amount from the Ministry of University and Research, during the three-year period, the amount could be modified.	
Context of the research activity	
Motivation and objectives of the research in this field	<p>Making use of theories and methodologies to address specific research themes, which contribute to both scholars' and practitioners' debate.</p> <p>A list of specific research themes is available here: https://www.som.polimi.it/phd-scholarships.</p> <p>Selected PhD students will conduct research along these research themes under the guidance of one (or more) supervisor(s).</p>
Methods and techniques that will be developed and used to carry out the research	<p>PhD students are encouraged to apply multiple methodologies (e.g., qualitative, quantitative, experimental methods) and research designs to develop and test solutions, methodologies, models and theories within the aforementioned specific research themes.</p>
Educational objectives	<p>The DRIG doctoral program (Dottorato di Ricerca in Ingegneria Gestionale) offers advanced training in leading -edge areas at the core of the scientific community's debate and of practitioners and policymakers' interests.</p> <p>The doctoral school requests each student to spend a minimum of six months at a foreign research institution. During this period, students receive additional financial support. See for further details: https://www.som.polimi.it/en/course/phd/</p>
Job opportunities	<p>Thanks to competences and skills developed during their doctoral training, candidates often achieve high-ranking job positions in the realm of research, innovation and</p>



	<p>general management. The DRIG program paves the way to careers in universities, research organizations, firms, start-ups and regulatory bodies. The candidates often receive invitations for post-doc positions from Italian and foreign universities. The strong connections the Department has with other universities, research institutions, firms and regulatory bodies boost the employability of DRIG PhDs laureates.</p>
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Additional support - Financial aid per PhD student per year (gross amount)	
Housing - Foreign Students	--
Housing - Out-of-town residents (more than 80Km out of Milano)	--

Scholarship Increase for a period abroad	
Amount monthly	700.0 €
By number of months	6

Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information
<p><i>Funding for educational activities: 5.700,00 Euros for three years.</i> <i>Teaching assistantship: 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.</i> <i>Desk availability: shared use</i> <i>Computer availability: individual use</i></p>