



# PhD in CHIMICA INDUSTRIALE E INGEGNERIA CHIMICA / INDUSTRIAL CHEMISTRY AND CHEMICAL ENGINEERING - 40th cycle

**THEMATIC Research Field: INVESTIGATION OF INDUSTRIAL CHEMICAL PROCESSES**

Monthly net income of PhDscholarship (max 36 months)
<b>€ 1400.0</b>
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>	To study and develop innovative processes of interest for the environment, for energy transition, and for industrial chemistry.
<b>Methods and techniques that will be developed and used to carry out the research</b>	The study will be performed using approaches that are typical of industrial chemistry and chemical reactor engineering, thus combining fundamental aspects of chemical kinetics and transport phenomena to develop a deep understanding of the process under investigation, as well as for developing new processes.
<b>Educational objectives</b>	To gain a high-level knowledge about industrial chemistry and chemical reaction engineering principles and apply them for energy applications, environmental protection, materials development and nanomaterials synthesis.
<b>Job opportunities</b>	Chemical industries, Chemical Engineering companies, energy companies, developers and users of energy conversion technologies.
<b>Composition of the research group</b>	10 Full Professors 10 Associated Professors 10 Assistant Professors 50 PhD Students
<b>Name of the research directors</b>	Prof. Carlo Cavallotti

Contacts
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**Research directors:**

Prof. Carlo Cavallotti, Prof. Giulia Bozzano, Prof. Valentina Busini, Prof. Francesco Cellesi, Prof. Alberto Cuoci, Prof. Giorgia De Guido, Prof. Tiziano Faravelli, Prof. Alessio Frassoldati, Prof. Davide Manca, Prof. Flavio Manenti, Prof. Maurizio Masi, Prof. Marco Mehl, Prof. Davide Moscatelli, Prof. Laura Pellegrini, Prof. Roberto Piazza, Prof. Renato Rota, Prof. Selena Sironi, Prof. Gianvito Vilè

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Web-pages of the research groups: <https://www.cmic.polimi.it/en/ricerca/elenco-gruppi-di-ricerca/>

**Additional support - Financial aid per PhD student per year (gross amount)**

<b>Housing - Foreign Students</b>	--		
<b>Housing - Out-of-town residents (more than 80Km out of Milano)</b>	<b>1st year</b>	<b>2nd year</b>	<b>3rd year</b>
	2000.0 € per student	2000.0 € per student	2000.0 € per student
max number of financial aid available: 1, given in order of merit (only for students with scholarship)..			

**Scholarship Increase for a period abroad**

<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** (funding for participation in courses, summer schools, workshops and conferences) - financial aid per PhD student per year:

1<sup>st</sup> year: around 1.900 euros per student

2<sup>nd</sup> year: around 1.900 euros per student

3<sup>rd</sup> year: around 1.900 euros per student

**Teaching assistantship:** availability of funding in recognition of supporting teaching activities by the PhD student: There are various forms of financial of 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 regulation.