



PhD in CHIMICA INDUSTRIALE E INGEGNERIA CHIMICA / INDUSTRIAL CHEMISTRY AND CHEMICAL ENGINEERING - 38th cycle

THEMATIC Research Field: INVESTIGATION OF INDUSTRIAL CHEMICAL AND CATALYTIC PROCESSES

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	To study and develop innovative processes of interest for the environment, for energy transition, and for industrial chemistry. To study and develop innovative catalysts and catalytic processes for energy-related and environmental applications.
Methods and techniques that will be developed and used to carry out the research	The study will be performed using approaches that are typical of 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
Educational objectives	To gain a high-level knowledge about chemical reaction engineering principles and apply them for energy applications, environmental protection, materials development and nanomaterials synthesis.
Job opportunities	Chemical industries, Chemical Engineering companies, energy companies, developers and users of energy conversion technologies.manufacturers, car manufacturers
Composition of the research group	8 Full Professors 3 Associated Professors 2 Assistant Professors



	15 PhD Students
Name of the research directors	Prof. Carlo Cavallotti

Contacts
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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	662.5 €
By number of months	6

Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information
<p>Individual budget for research (during the 3 years): about 5.400 euro</p> <p>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.</p>