

PhD in INGEGNERIA DELL'INFORMAZIONE / INFORMATION TECHNOLOGY - 39th cycle

Research Area n. 1 - Computer Science and Engineering

THEMATIC Research Field: MEDICAL DATA EXCELLENCE: STORING, INTEGRATING, AND PROCESSING WITH QUALITY IN MIND

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.		



Methods and techniques that will be developed and used to carry out the research	The student will focus on different aspects of data management: data architecture, data quality and data integration. The objective is to design a medical data repository in which datasets have to be described in terms of metadata that have to model both technical and clinical information. The students will have to focus the research on data quality techniques and semantic data integration.
Educational objectives	The student will learn how to store and manage heterogeneous datasets. The student will also learn how to prepare datasets in order to guarantee high quality data for the users analyses.
Job opportunities	Data management, governance and especially data quality are attractive research fields and professional areas. Graduates with expertise in this area can easily find jobs both in academia and in private organizations.
Composition of the research group	1 Full Professors 2 Associated Professors 2 Assistant Professors 2 PhD Students
Name of the research directors	prof.ssa Cinzia Cappiello

Contacts

cinzia.cappiello@polimi.it

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

EDUCATIONAL ACTIVITIES (purchase of study books and material, including computers, funding for participation in courses, summer schools, workshops and conferences): financial aid per PhD student.

POLITECNICO DI MILANO



TEACHING ASSISTANTSHIP: (availability of funding in recognition of supporting teaching activities by the PhD student) 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.

COMPUTER AVAILABILITY: individual use

DESK AVAILABILITY: individual use