

# Politecnico di Milano

## PhD in Design

### Specific Research Subject: (Interaction Design for personal wearable devices in Smart Social Spaces)

<b>Scholarships and Financial support</b>	
Monthly net income of PhD scholarship (max 36 months)	€ 1.200 (In case of a change of the welfare rates during the three-year period, the amount could be slightly modified)
Number of scholarships	1
Beginning of PhD	1/5/2015
Deadline for application	16/02/2015
<b>Context of the research activity</b>	
Motivations and objectives of the research in this field	Digital technologies are rapidly evolving, and allow the development of innovative services, supporting users in a number of daily activities. Ubiquitous computing and new wearable devices should be employed to design smart systems and environments, and to improve customer satisfaction. In order to define convenient and sustainable scenarios, and to make them acceptable and appealing, the technological research must be accompanied and oriented by the study of human needs and attitudes so to optimize the innovative solutions with respect to the users experience.
Methods and techniques that will be developed and used to carry out the research	Ethnographic analysis aimed at understanding users' needs and attitudes with respect to wearable devices, smart spaces, internet of things. User centered design methodologies for the design of digital devices, systems and services. Creation of prototypes and interactive mock-up.
Educational objectives	The education aims at providing theoretical and experimental based insights about conscious and non conscious mental processes associated to human activities supported by digital devices and services; furthermore, it focuses on interaction design methodologies for innovation. The student is also encouraged to spend a period of study abroad.

Job opportunities	<p>Researcher in academic and industrial research labs.          Academic career in Design and Interaction Design universities and education centers.          Professional project activities in the field of Interaction Design, digital innovation, product and services.</p>
Composition of the research group	<p>Number of Full Professors 0          Number of Associated Professors 1          Number of Assistant Professors 0          Number of Post-Docs 0          Number of PhD students 5          Number of contracted researchers  <a href="http://www.telecomitalia.com/tit/it/innovation/events/exhibitions/inaugurazioni-JOL-Catania/JOL.html">http://www.telecomitalia.com/tit/it/innovation/events/exhibitions/inaugurazioni-JOL-Catania/JOL.html</a>  <a href="http://siplab.org/">http://siplab.org/</a></p>
Names of the research directors	<p>Prof. Margherita Pillan is the tutor of the Design activities within the of JOL S-Cube Lab.</p>
E-mail address, phone number and web-page	<p>margherita.pillan@polimi.it</p>
List of Universities, Companies, Agencies and/or National or International Institutions that are cooperating in the research	<p>1. JOL S-Cube Lab at Politecnico di Milano          2. Telecom Italia</p>
<b>Additional support</b>	
<p><u>Funding for educational activities</u>          (purchase of study books and material, funding for participation in courses, summer schools, workshops and conferences):          funding per PhD student per year</p>	<p>2<sup>nd</sup> year: max € 1370 euros per student          3<sup>rd</sup> year: max € 1370 euros per student</p>
<p><u>Teaching assistantship:</u>          availability of funding in recognition of support to teaching activities by the PhD student</p>	<p>Availability of funding in recognition of supporting teaching activities by the PhD student:          There are various forms of financial aid both for research and teaching activities. The PhD student is encouraged to take part in these activities, within the limits allowed by the regulations.</p>
<p><u>Computer availability:</u></p>	<p>1<sup>st</sup> year: indicate <i>individual use</i>          2<sup>nd</sup> year: indicate <i>individual use</i>          3<sup>rd</sup> year: indicate <i>individual use</i></p>
<p><u>Desk availability:</u></p>	<p>1<sup>st</sup> year: indicate <i>individual use</i></p>

	2 <sup>nd</sup> year: indicate <i>individual use</i> 3 <sup>rd</sup> year: indicate <i>individual use</i>
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