



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

Research Area n. 1 - Computer Science and Engineering

PNRR 117 Research Field: SMART EYEWEAR: THE NEW FRONTIER OF EMBEDDED AND
EDGE AI

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.

Context of the research activity

Motivation and objectives of the research in this field	The research activity will focus on the design and development of embedded and edge AI solutions capable of operating in smart eyewear (therefore constrained in computation, memory and energy)
Methods and techniques that will be developed and used to carry out the research	The objectives of the research will be achieved by advancing the state-of-the-art in the field of machine and deep learning and by supporting a strict integration between theoretical aspects and the challenging and relevant technological scenario of smart eyewear
Educational objectives	The Ph.D. will gain high-quality and integrated competences in the field of embedded and edge artificial intelligent solutions as well as strong competences in the design of software/firmware solutions for smart eyewear
Job opportunities	The novel and heterogeneous background (strong competences on both theory and application) of the Ph.D. candidate will pave the way to positions in the academia, in research centers and in all the companies designing and developing smart Internet-of-Things and Edge Computing Systems
Composition of the research group	1 Full Professors 0 Associated Professors 2 Assistant Professors



	2 Assistant Professors 6 PhD Students
Name of the research directors	PROF. MANUEL ROVERI

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	700.0 €
By number of months	6

National Operational Program for Research and Innovation	
Company where the candidate will attend the stage (name and brief description)	Luxottica S.p.A.
By number of months at the company	6
Institution or company where the candidate will spend the period abroad (name and brief description)	Imperial College London (UK)
By number of months abroad	6

Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information	
<p>Educational activity: The student will be encouraged to attend to courses at POLIMI or abroad in International Schools.</p> <p>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.</p> <p>Computer and desk availability: the student will be allowed to access facilities of the DEIB.</p>	