



Soggetto: proposta di tirocinio

<i>ID</i>	PTI_IT_Corsaro Carmelo_11/09/2026 17.26.34
<i>Data</i>	11/09/2026 17.26.34

Supervisore del progetto

<i>Cognome</i>	Corsaro
<i>Nome</i>	Carmelo
<i>Dipartimento</i>	MIFT
<i>Laboratorio</i>	Soft Matter
<i>E-mail</i>	ccorsaro@unime.it
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Co-Supervisore del progetto

<i>Cognome</i>	
<i>Nome</i>	
<i>Posizione</i>	
<i>Dipartimento</i>	

<i>Laboratorio</i>	
<i>E-mail</i>	
<i>Numero di telefono</i>	

Dettagli del progetto

<i>Titolo</i>	Techniques for data acquisition and analysis
<i>Descrizione dettagliata:</i> The internship will focus on the design, deployment and experimental evaluation of sensing and data-driven solutions within the broad context of smart monitoring and intelligent systems. The general challenge is the acquisition, management and/or interpretation of heterogeneous data generated by sensors and digital devices to support the analysis of real-world phenomena and processes. The student will be involved in exploring and developing potential solutions that can be based on low-cost sensing platforms (e.g., Raspberry Pi and connected sensors), data processing techniques, and artificial intelligence methods. Depending on the specific application domain and available datasets, activities may include sensor integration and configuration, data acquisition and management, exploratory data analysis, machine learning, computer vision, image recognition, clustering and other unsupervised learning approaches. The internship is intended to provide both practical and methodological skills in the design of experimental setups, data analytics workflows and AI-based techniques, while allowing flexibility in the application area and research objectives. The internship is expected to conclude approximately two months after its start date, with the possibility of adapting the specific activities according to project developments and the student's interests.	
<i>Durata (mesi – max 12)</i>	2
<i>Durata (ore)</i>	75



<i>Numero di posizioni aperte</i>	4
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Competenze richieste dal tirocinio

<i>Requisiti tecnici:</i> Good knowledge of python and Matlab	
<i>Altri requisiti</i>	