UNIVERSITÀ DI TRENTO

DEPARTMENT OF

INFORMATION ENGINEERING AND COMPUTER SCIENCE



Master's Degrees @ DISI.unitn

Delegate for Education: Roberto Passerone, roberto.passerone@unitn.it

AY/AA 2026/2027

UNIVERSITÀ DI TRENTO | Dipartimento di Ingegneria e Scienza dell'Informazione

A Unified ICT Graduate Program

Artificial Intelligence Systems (LM-AIS)

The Cognitivie & Autonomous Layer

The frontier of computing. Applying automated reasoning and machine learning to create independent, acting systems.

- Machine Learning
- Neurocognitive Architectures
- Intelligent Robotics
- Human-AI Dialogue

Computer Science (LM-INFO)

The Core Processing & Security Layer

The backbone of the digital economy. Securing, structuring, and processing massive data systems.

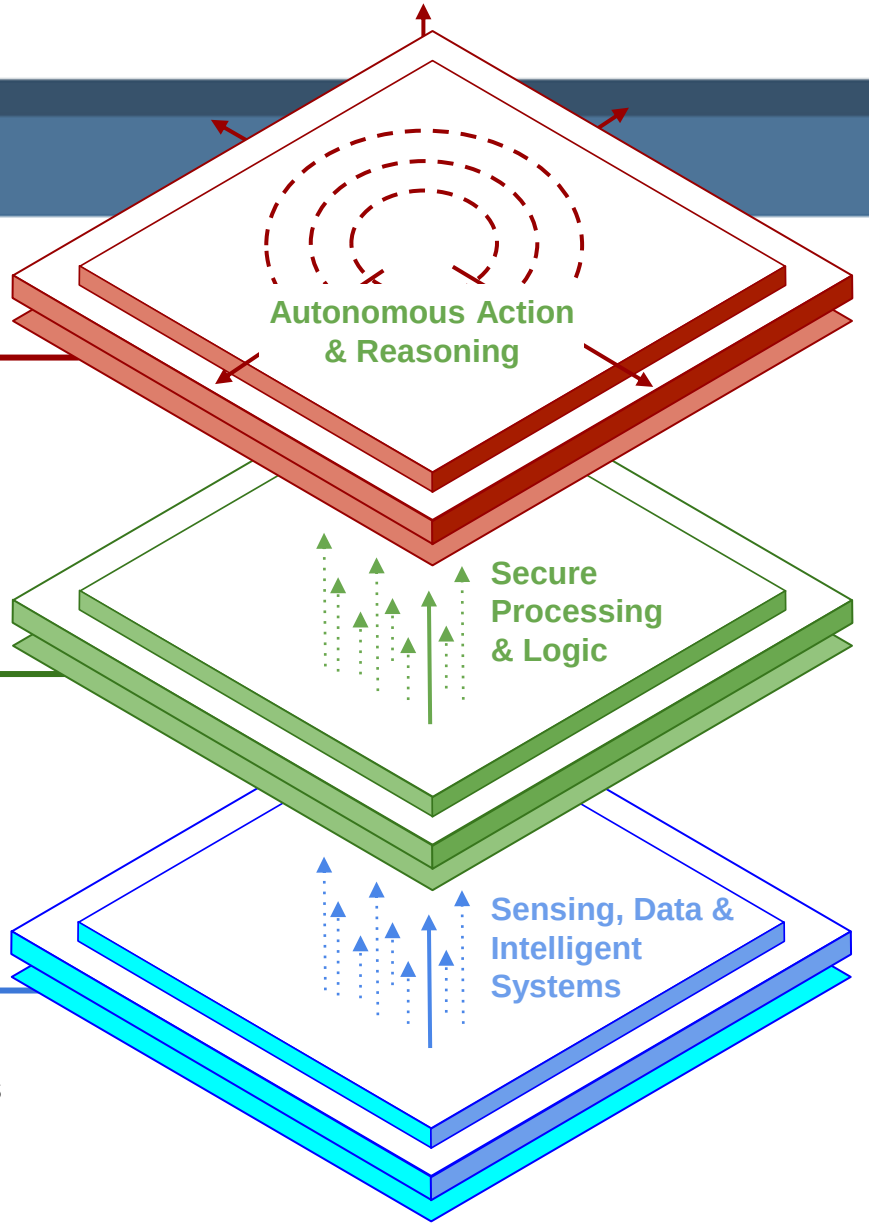
- Cryptography & Cyber Security
- Data Science
- Distributed Systems
- HPC and Service Architectures

Information Engineering (LM-IE)

From the Physical World to Intelligent Systems

Transforming signals, data, and connectivity into intelligent systems that perceive, process, and act in the real world.

- Earth and Space Communications
- Wireless & Mobile Sustainable Networks
- Embedded Systems
- Deepfake detection & Computer Vision
- Biomedical Imaging

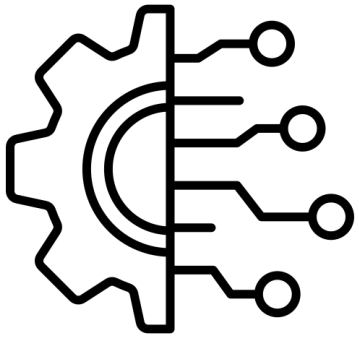


Program Differentiation

	Information Engineering (LM-IE)	Computer Science (LM-INFO)	Artificial Intelligence Systems (LM-AIS)
Core Academic Focus	Applied physics, signal processing, hardware architectures, and telecommunications.	Algorithmic foundations, software engineering, distributed networks, and data protection.	Probabilistic modeling and reasoning, biological neural systems, natural language processing and understanding, automated reasoning, and autonomous agents.
Distinctive Tracks & Vanguard Courses	**A. Space & Networks** - Radar Systems for Earth & Space Applications **B. Electronic & Computer Engineering** - Computer graphics, Deepfake detection, XR - Microelectronic Devices, Sensors and MEMS **C. Biomedical Engineering** - Biomedical Imaging & Ultrasound	**A. Cyber Security** - Network Intrusion and Anomaly Detection - Security Experiments and Cryptography **B. Data Science** - High-Performance Computing - Process and Data Mining **C. Systems and Networks** - Cloud Computing - Human-Computer Interaction	**A. Neurocognitive Architectures** - Foundations of Cognitive Psychology and Neuroscience **B. Intelligent Robots** - Bio-Inspired Artificial Intelligence - Distributed Robot Perception **C. AI Systems** - AI for Food Quality Control
Interdisciplinary Cross Factor	Deep integration with medical physics, physical sensing environments, robotics, and sustainable networking infrastructure.	Strong nexus linking computational logic with economics ("Innovation and Business in ICT"), ethics, and privacy laws.	Unique institutional bridge to CIMEC (Center for Mind/Brain Sciences) and dedicated integration of "Law and Ethics in Artificial Intelligence"

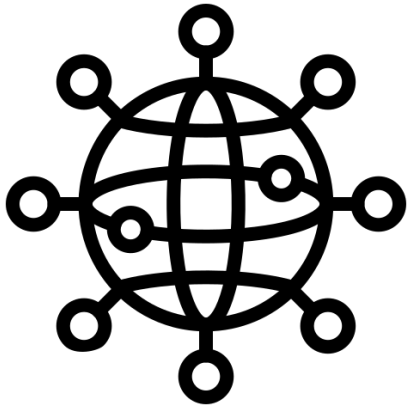
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Your Journey, Amplified by a World-Class Ecosystem



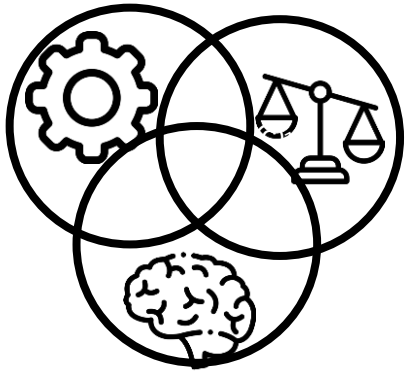
Deep Industry Integration

Our *connections with industry* are very close, from large international companies to innovative SMEs. Gain real-world experience and build your professional network from day one.



Radical Internationalization

A *strong drive toward internationalization* distinguishes our program. We offer unique opportunities to earn a Double Degree through the prestigious EIT Digital Master Schools.



Interdisciplinary Excellence

Learn from experts across multiple departments, including Information Engineering & Computer Science (DISI), Industrial Engineering (DII), the Faculty of Law (JUS), and the Center for Mind/Brain Sciences (CIMEC).

To probe further: Orienta

Consult your fellow students!

Look for the orienta counter and desk during the ICT-Days

Visit https://orienta.unitn.it

or mail orienta@unitn.it

