

Open PhD Positions in ICT at the University of L'Aquila (Italy)

The PhD Program in ICT at the University of L'Aquila offers **6 scholarships** in the context of a graduate school of excellence around the major topics in **Information and Communication Technology**, with particular emphasis on “pervasive ICT infrastructures”. The program is open to national and international students. The goal of the PhD Program is to provide a flexible and stimulating environment for enabling effective connection/integration between academic curricula and industry needs.

Applications are invited from candidates interested in working in the following topics:

- Heterogeneous complex systems modeling and control
- Autonomous systems and intelligent agents
- Identification, learning and data enabled control
- Networked Control Systems
- Resiliency, robustness and security in cyber-physical systems
- Modeling and control in intelligent transportation systems, smart energy systems, smart buildings, smart factory, biological systems
- Fiber-optic communications and photonics
- 5G and beyond-5G wireless communication systems
- Service-aware networking and cybersecurity
- Communication technologies for intelligent transport, smart cities, and Industry 4.0
- Power Converters and intelligent energy systems for industrial applications, e-transportation, smart grids and smart buildings
- Embedded systems
- Human computer interaction
- Algorithmic game theory
- Algorithms and optimization for complex networks and applications
- Algorithm engineering
- Operations research models and methods
- Artificial Intelligence: Intelligent Agents, Cognitive Robotics, Knowledge Representation and Reasoning, Neurosymbolic AI, Applications
- Autonomic computing and automated software synthesis
- Software engineering
- Model-driven engineering
- Machine learning
- Bioinformatics
- Data science

This wide combination of topics stems from the richness of research interests of faculties in our department (<http://www.disim.univaq.it/main/index.php>), in the Center of Excellence DEWS (<http://www.dews.ing.univaq.it/index.php?id=dewshome>), and in the Center of Excellence EX_EMERGE (<http://exemerge.disim.univaq.it/>), which combine Information Engineering, Computer Science and Mathematics.

Our PhD program in ICT also offers an opportunity to spend training periods in world-wide renowned schools having a formal institutional agreement with the University of L'Aquila, such as: University of California at Berkeley, University of California at Los Angeles, Swedish Royal Institute of Technology (KTH), ETH Zurich, University College London, Carnegie Mellon University, University of Cambridge, Universitat Politecnica de Catalunya, Karlsruhe Institute of Technology, University of Tabriz, Tianjin University.

Our PhD students will also enjoy a wide choice of courses and a rich schedule of seminars held by scientists of international reputation (<http://phdict.disim.univaq.it/courses-and-seminars>)

You can find more information about our PhD program in ICT here: <http://phdict.disim.univaq.it>

The **deadline** to submit your application is **June 23, 2021**.

Call for applications (italian) https://www.univaq.it/section.php?id=2055&lang_s=it

Call for applications (english) https://www.univaq.it/en/section.php?id=2055&lang_s=en

Perspective candidates can write to the contacts available at <http://phdict.disim.univaq.it/contacts/>