who we are

Instituto de Telecomunicações (it) is a private, non-profit organization of public interest, and State Associate Laboratory since 2001. It is a partnership of six universities, one polytechnic institute and two companies involved in research and development in the field of Telecommunications:

* Instituto Superior Técnico (IST)
* University of Aveiro (UA)
* University of Coimbra (UC)
* University Institute of Lisbon (ISCTE)
* University of Porto (UP)
* University of Beira Interior (UBI)
* Polytechnic Institute of Leiria (IPL)
* Altice Labs (AL)
* Nokia Solutions and Networks (NSN)

our mission

create and disseminate scientific knowledge in the field of Telecommunications.

promote knowledge and technology transfer to national and international industry.

foster higher education and support advanced training, by hosting and tutoring graduate and postgraduate students.

support public policies while addressing societal challenges.
expertise spans the following areas

- Wireless Communications
- Optics & Photonics
- Information & Data Sciences
- Networks & Services
- Basic Sciences & Enabling Technologies

key indicators
(2020 only)

- Human resources: 300+ researchers
- Student supervision: 200+ Concluded MSc
- Running projects: 40+ national
- Scientific output: 16 patents
- 170+ PhD students
- 30+ Concluded PhDs
- 130+ international
- 460+ journal papers
- 250+ conference papers
**our institute**

In its 28 years of life, it has become the most relevant R&D institution on Telecommunications in Portugal. It is actively involved in fundamental and applied research in the broad field of TICE (Technologies of Information, Communications and Electronics), and, throughout its journey, has taken part in nearly 2,500 national projects and 800 international projects.

With cutting-edge laboratories and highly qualified teams, the institute has been an active player in some of the greatest endeavors in telecommunications, participating for instance in the global Square Kilometer Array project, the race for all-optical communications and the development of "Beyond 5G" and IoT applications, from smart cities to autonomous mobile systems, bio-applications and healthcare.

By joining geographically scattered expertise and fostering a high level of scientific research, it underlines its commitment to supporting public policies, within the scope of Information & Communication Technologies, Education, Health & Wellbeing, Green Energies, Circular Economy, Mobility & Space.

It also plays its role towards society, with public awareness dissemination; knowledge and technology transfer to national and international industry; telecommunications consulting services (provided on a non-competitive basis); and various cooperation initiatives with government, local authorities and health services.
The institute’s activities are regularly overseen by an advisory board formed by recognized international experts, and evaluated by international panels appointed by the Portuguese Science Foundation (FCT).

In recognition of its achievements, it was awarded the status of Associate Laboratory of the Portuguese Ministry of Science and Technology in 2001.

It main sites are located at IST in Lisbon, UA in Aveiro and UC in Coimbra. In addition, there are branches at ISCTE in Lisbon, UBI in Covilhã, UP in Porto, IPL in Leiria and FCTUNL in Caparica. It also has partnership agreements with other Portuguese universities, namely U Évora, U Algarve, and with the Polytechnics of Setúbal, Tomar, Coimbra, and Lisbon.

It researchers and students are organized in research groups (about 43) covering different topics in telecommunications and cross-fertilization areas. Researchers gather ample recognition by their peers worldwide: 6 are IEEE fellows, about 70 are IEEE senior members, 4 are IET fellows and about 70 are Associate Editors of international journals and members of numerous international scientific boards.

It scientific output rounds up to an accumulated total of 270+ books, 5800+ journal papers, 10,100+ conference papers and 220+ patents. It also gathers 94,000+ citations in the Clarivate Web of Science and has supervised roughly 600 PhD and more than 3,000 MSc student theses.

Reach us

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