

EEUM IN NUMBERS



6004

Total students 539 PhD in 23 programmes



321

Teaching staff 100% PhD holders



74

Non-teaching staff



7 out of **9**

Centers assessed internationally with the three higher classifications



16

Patent applications per year (average)



82

Concluded PhDs



1791

WoS/Scopus scientific papers



316

R&D projects



68,4 M€

Projects' dotation



RANKINGS



THE Ranking Engineering & Technology: 301-400

THE Ranking 100 UNDER 50 2017 : **101-150** (5 Portuguese HEI)

THE World University Ranking – UMinho 601-800



SCImago Institutions Rankings: 472/5000



Center for World University Rankings (CWUR): 616/1000

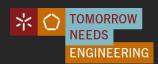


U-Multirank: **9** features with highest classification (A category – Very Good)



Academic Ranking of World Universities (ARWU): 401-500

ARWU-FIELD: Top 100 - Biomedical Engineering, Civil Engineering, Food Science and Technology; Top 200 - Biotechnology; Top 300 - Mechanical Engineering (w/ Production Engineering) and Chemical Engineering; Top 400 - Computer Science and Engineering, Materials Science & Engineering.



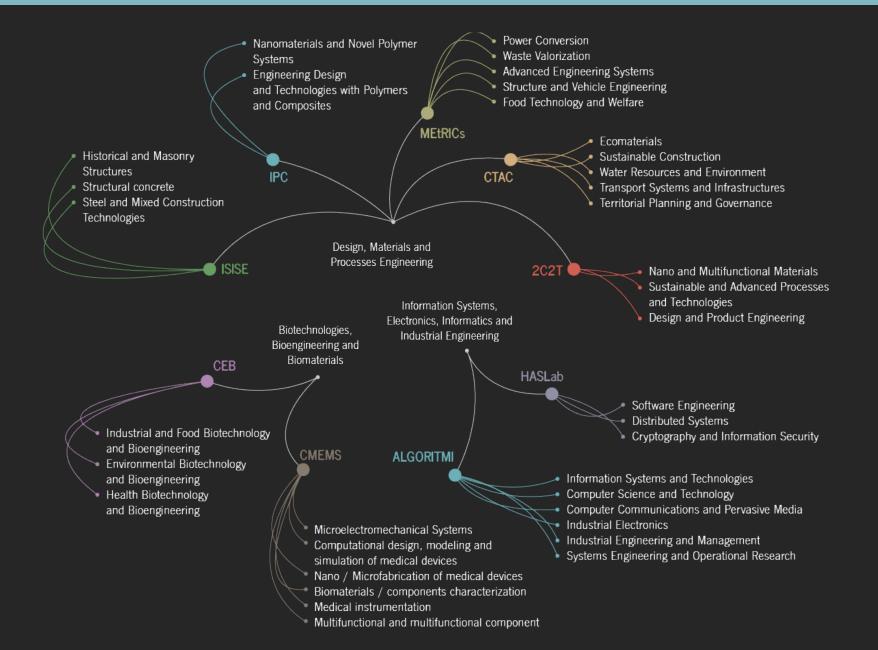
INTERNATIONAL COOPERATION

- 200 incoming students/year
- 20 international conferences held in Braga/Guimarães per year
- > **10** international MoU/year
- Partner institutions network in around 80 countries, mainly in EU, Asia and PALOP





RESEARCH AREAS









Multidisciplinary center focused on research and innovation in the development of smart microsystems and biomedical systems

Microelectromechanical Systems
Computational design, modeling and simulation of medical devices
Nano / Microfabrication of medical devices
Biomaterials / components characterization
Medical instrumentation

Multifunctional and multifunctional component design

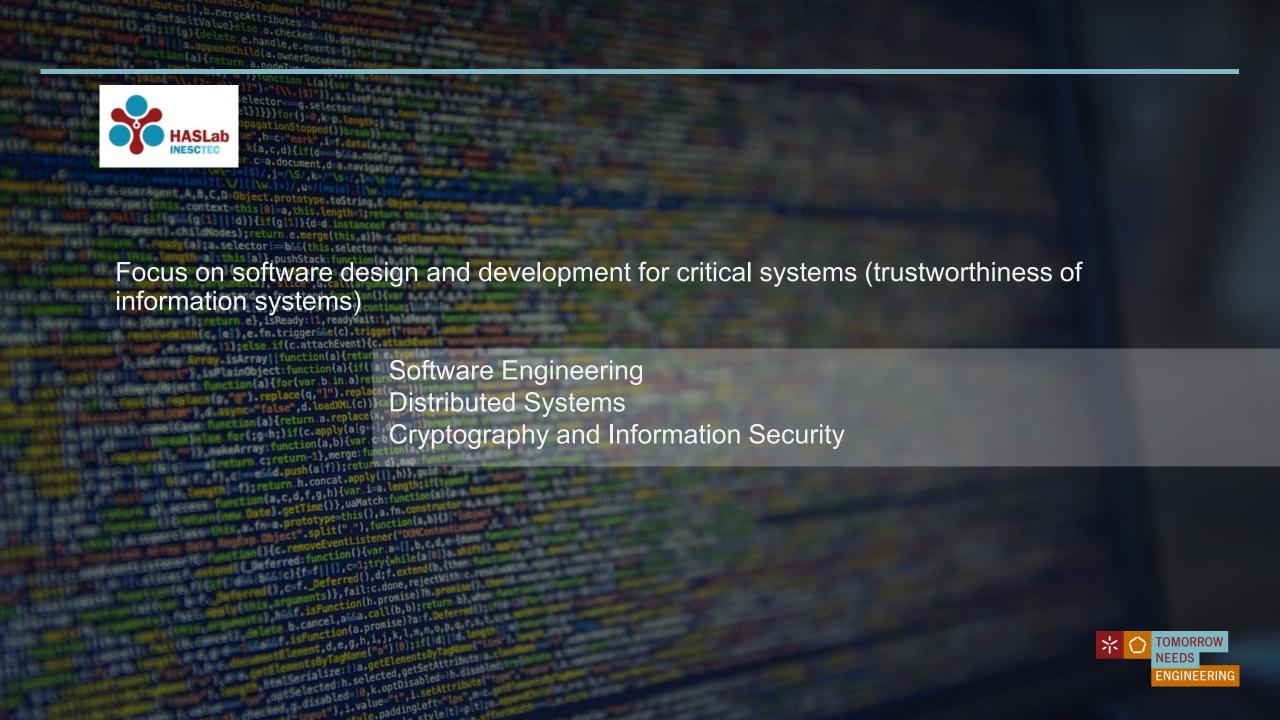




Interdisciplinary research and leading-edge knowledge in Information and Communication Technologies, Electronics, Computer Systems and Industrial and Systems Engineering

Information Systems and Technologies
Computer Science and Technology
Computer Communications and Pervasive Media
Industrial Electronics
Industrial Engineering and Management
Systems Engineering and Operational Research



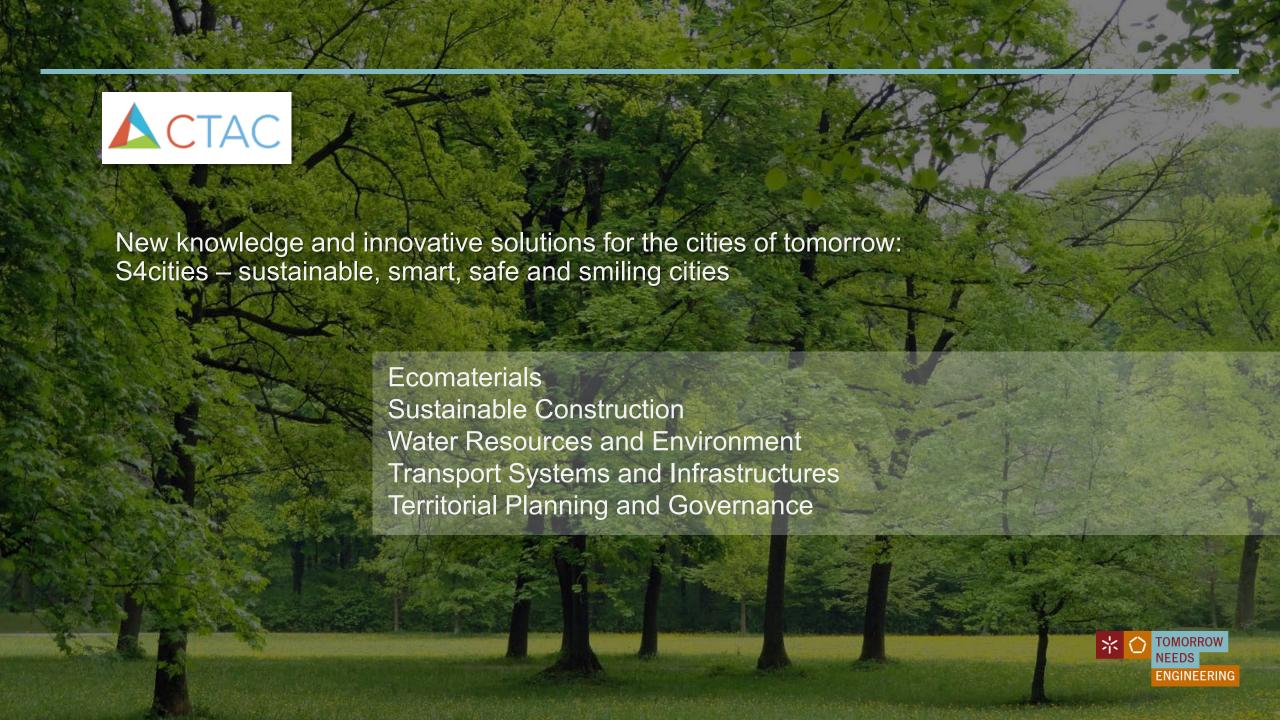




1st Portuguese research centre specialized in fibrous materials research

Nano and Multifunctional Materials
Sustainable and Advanced Processes and Technologies
Design and Product Engineering



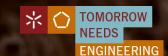






Fundamental contribution to the advancement of science and technology of polymers and composites, helping Portuguese industry creating added-value products

Nanomaterials and Novel Polymer Systems
Engineering Design and Technologies with Polymers and Composites





DEPARTMENTS

DEB DEC DEI BIOLOGICAL CIVIL INDUSTRIAL **ENGINEERING ENGINEERING ELECTRONICS** DEM DEP DET MECHANICAL **POLYMER** TEXTILE **ENGINEERING ENGINEERING ENGINEERING** DPS DSI **INFORMATICS PRODUCTION INFORMATION** AND SYSTEMS **SYSTEMS**

- Cover the majority of areas in Engineering
- Offer 1st and 2nd cycle courses, as well as 3rd cycle courses together with the Research Centres
- Support the development of research projects and knowledge transfer projects in co-operation with industry and services



EDUCATIONAL OFFER

1st Cycle (180 ECTS)

2nd Cycle (120 ECTS)

3rd Cycle (180 or 240 ECTS)

- Biomedical Engineering
- Chemical and Biological Engineering
- Civil Engineering
- Engineering and Management of Information Systems
- Engineering Physics
- Fashion Design and Marketing
- Industrial Electronics and Computers Engineering
- Industrial Engineering and Management
- Informatics Engineering
- Materials Engineering
- Mechanical Engineering
- Polymer Engineering
- Telecommunications and Informatics Engineering
- Textile Engineering



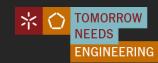
EDUCATIONAL OFFER

1st Cycle (180 ECTS)

2nd Cycle (120 ECTS)

3rd Cycle (180 or 240 ECTS)

- Engineering and Operations Management
- Bioinformatics
- · Biomedical Engineering
- Biotechnology
- Building Information Modelling BIM A+ (European Master)
- Chemical and Biological Engineering
- Civil Engineering
- Design and Marketing of Textile Products, Apparel and Accessories
- Engineering and Management of Information Systems
- Engineering and Quality Management
- Engineering of Computer Networks and Telematic Services
- Engineering Physics
- Engineering Project Management
- Fashion Design and Communication
- Food Science and Technology
- Human Engineering
- Industrial Electronics and Computers Engineering
- Industrial Engineering and Management
- Informatics Engineering
- Information Systems
- Interactive Technologies
- Materials Engineering
- Mechanical Engineering
- Mechatronics Engineering
- Micro/Nano Technologies
- Polymer Engineering
- Product Engineering
- Structural Analysis of Monuments and Historical Construction (European Master)
- Structural Engineering
- Sustainable Built Environment
- Sustainable Construction and Rehabilitation
- Systems Engineering
- Telecommunications and Informatics Engineering
- Textile Engineering
- Urban Engineering



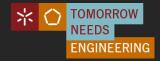
EDUCATIONAL OFFER

1st Cycle (180 ECTS)

2nd Cycle (120 ECTS)

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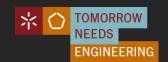
- Doctoral Program in Advanced Engineering Systems for Industry
- Doctoral Program in Bioengineering
- Doctoral Program in Computer Science (MAP-i)
- Doctoral Program in Food Science and Technology and Nutrition
- Doctoral Program in Industrial and Systems Engineering
- Doctoral Program in Information Systems and Technology
- Doctoral Program in Mechanical Engineering
- Doctorate in Biomedical Engineering
- Doctorate in Chemical and Biological Engineering
- Doctorate in Civil Engineering
- Doctorate in Electronics and Computer Engineering
- Doctorate in Informatics
- Doctorate in Materials Engineering
- Doctorate in Polymers and Composites Engineering
- Doctorate in Solid Waste Management and Treatment
- Doctorate in Sustainable Built Environment
- Doctorate in Textile Engineering





Applied research and development in the fields of computer graphics, information, communication and electronic technologies, as well as to their application at national and international level.

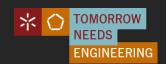
- Computer Vision, Graphics and Interaction
- Engineering Process, Maturity & Quality for information systems and technologies
- Perception, Interaction & Usability
- Urban and Mobile Computing





Research, scientific analysis and application of real solutions in the area of waste valorisation.

- Waste characterisation
- Gas emissions
- Materials and Geotechnics
- Occupational safety





Fulfil R&DT needs of associates and clients in plastic and mould industry, based on differentiated knowledge in strategic technological domains, assisting in know-how development and turning ideas into products.

- Materials
- Processing technologies
- Product engineering
- Tests and trials

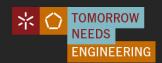




Support to the development of new technologies/products/processes.

Design and implementation of educational and training activities (classroom and e-learning), organizational development and transnational mobility of human resources.

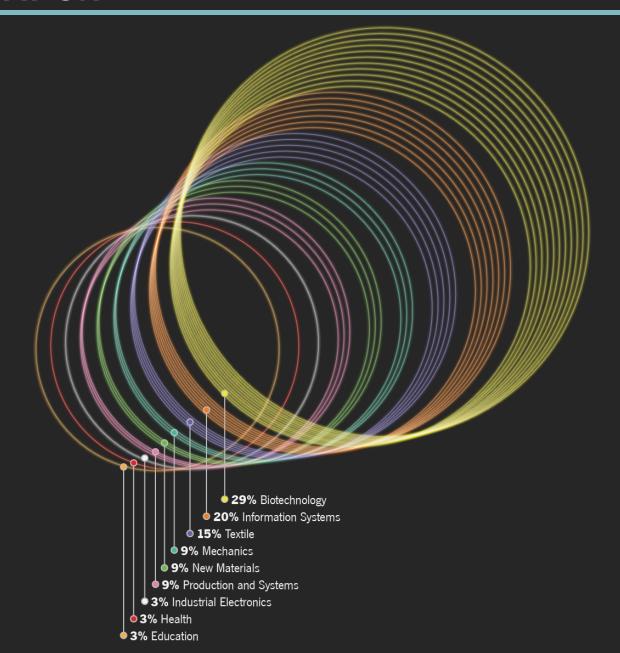
Support to university entrepreneurship and creation of innovative companies, focusing on academic spin-offs.



KNOWLEDGE VALORISATION



33 SPIN-OFFS





LINK WITH INDUSTRY

Protocols of Cooperation, Dissertations and Traineeships







































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