



Università degli Studi di Cagliari

**International PhD Programme in
ELECTRONIC AND COMPUTER ENGINEERING
in collaboration with the Southwest Jiaotong University**

Curriculum 1 - COMPUTER ENGINEERING AND AUTOMATIC CONTROL

Curriculum 2 - ELECTRONICS AND TELECOMMUNICATIONS

DISCIPLINARY SCIENTIFIC AREA	09 - INDUSTRIAL AND INFORMATION ENGINEERING
COORDINATOR	PROF. ALESSANDRO GIUA
HEAD DEPARTMENT	DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING
DURATION	3 YEARS
EDUCATIONAL OBJECTIVES AND RESEARCH TOPICS	<p>The PhD programme in Electronic and Computer Engineering aims to train young researchers to make them ready to carry out academic and industrial research projects in the following areas:</p> <ol style="list-style-type: none"> 1. Automatic Control and Systems Engineering 2. Telecommunications 3. Electromagnetism 4. Electrical Circuits and Modelling 5. Industrial Electronics Power 6. Computer Engineering 7. Microelectronics 8. Electrical and Electronic Measurements <p>The central point of the doctoral education is the development of an original research project to be carried out in close contact with the supervisor and strongly aimed to the advancement of knowledge in the relevant field of engineering.</p> <p>The main goal of the course is to create professionals who find suitable job placement at academic institutions, research centres, high-tech firms, and that they are potentially able to initiate economic undertakings with high scientific and technological content.</p>
ELIGIBILITY AND OTHER REQUIREMENTS FOR CANDIDATES	<p>-Italian degree awarded according to the Ministerial Decree no. 509/1999 (<i>laurea specialistica</i>);</p> <p>-Italian degree awarded according to the Ministerial Decree no. 270/2004 (<i>laurea magistrale</i>);</p> <p>-Italian degree awarded according to the regulations established before the Ministerial Decree no. 509/1999 (<i>laurea v.o.</i>);</p> <p>-academic qualification issued by a foreign university, recognized as equivalent. The foreign degree must be comparable in duration and content to the titles listed above and provide access to PhD education in the country of achievement</p>
ADMISSION TESTS	<p>ASSESSMENT OF QUALIFICATIONS AND CURRICULUM VITAE, AND A VIDEO CONFERENCE INTERVIEW.</p> <p>All admission tests can be conducted in English.</p> <p>During the interview, the knowledge of English language will be assessed.</p>



ADMISSION TESTS FOR FOREIGN CANDIDATES APPLYING FOR RESERVED POSITIONS SUPPORTED BY A SCHOLARSHIP	EVALUATION OF THE CURRICULUM VITAE, REFERENCE LETTERS, A VIDEO CONFERENCE INTERVIEW. The reference letters must be written in English, following the form available at https://www.unica.it/unica/page/it/dottoratiricerca (How to apply for PhD selection: Guidelines and forms - Annex C), on letterhead of the University of the professor or expert in the scientific field(s) of the PhD programme, who signs and dates it. For foreign applicants, the dates of the video conference interviews will be communicated to the interested parties via email.
POSITIONS	9
SCHOLARSHIPS	4 FUNDED BY THE UNIVERSITY OF CAGLIARI, 1 RESERVED FOR FOREIGN GRADUATES OF FOREIGN UNIVERSITIES; 3 FUNDED BY THE DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING An additional scholarship funded by INPS with a specific research topic – ‘Models and methods based on biometric technologies for the cybersecurity in the dissemination, access, and protection of electronic documents on the Internet’ - reserved for the children and orphans of individuals registered for the Unified Management of Credit and Social Benefits, and of retired users of the Management for public employees (INPS), is also available. The scholarship recipient will be selected among the candidates who will gain a suitable position in the ranking lists for the admission to the PhD programme for the academic year 2020/2021, upon INPS verification of the right to benefit.
POSITIONS WITHOUT SCHOLARSHIP	2
REFERENCE PERSON	PROF. ALESSANDRO GIUA - TEL: +390706755751 - EMAIL: giua@unica.it
WEBSITE	https://www.alessandro-giua.it/DRIEI/index_en.html