



UNIONE EUROPEA
Fondo Sociale Europeo



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
LEARNING OUTCOMES 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	EVERY ITALIAN 2ND CYCLE DEGREE (<i>LAUREA MAGISTRALE/SPECIALISTICA/VECCHIO ORDINAMENTO</i>) AND EQUIVALENT AND SUITABLE FOREIGN ACADEMIC DEGREES
ADMISSION TESTS	ASSESSMENT OF QUALIFICATIONS AND CURRICULUM VITAE, AND VIDEO CONFERENCE INTERVIEW. During the interview, the candidate's language skills in English will be assessed.
ADMISSION TESTS FOR FOREIGN CANDIDATES APPLYING FOR RESERVED POSITIONS SUPPORTED BY A SCHOLARSHIP	ASSESSMENT OF QUALIFICATIONS AND CV, VIDEO CONFERENCE INTERVIEW The curriculum vitae will be in English. Reference letters must be written in English, using the form available on the webpage https://unica.it/dottoraturicerca (How to apply for PhD selection: Guidelines and forms- Annex C), by a university professor or an expert in the research fields of the PhD programme,



	on letterhead of their institution, dated and signed. Evaluators will send their letters directly to the email address phdcall_referenceletter@unica.it (object: surname and name of the candidate being evaluated and name of the PhD programme for which he/she is applying).
POSITIONS	9, 1 of which reserved for scholarship recipients from foreign countries
SCHOLARSHIPS	<p>2 FUNDED BY MUR “2019-2020 PLANNING EX ART. 1 D.M. N. 435/2020 STATE UNIVERSITIES”</p> <p>2 FUNDED BY MUR PL, 1 OF WHICH RESERVED FOR FOREIGN CANDIDATES HOLDING A FOREIGN DEGREE</p> <p>2 FUNDED BY DEPT. OF ELECTRIC AND ELECTRONIC ENGINEERING:</p> <ul style="list-style-type: none"> - 1 FUNDS FROM ASI-GLITTERY PROJECT, research topic “<i>Modelling and power electronic interfaces for new generation lithium-based batteries for aerospace applications</i>” – REFERENCE PERSON Prof. Alfonso Damiano; - 1 FUNDS FROM “TEX-STYLE” PROJECT, research topic “<i>Fabrication of highly flexible and conformable electronics for personalized healthcare applications</i>” – REFERENCE PERSONS Prof. Piero Cosseddu and Prof. Annalisa Bonfiglio. <p>The recipients for those scholarships which are related to a specific topic will be selected among the candidates who will gain a suitable position in the ranking lists for the admission to the PhD programme, as well as a positive assessment as regards the adequacy of his/her CV to develop the specific topic.</p>
POSITIONS WITHOUT SCHOLARSHIP	2
POSITIONS POTENTIALLY AVAILABLE UNDER APPRENTICESHIP CONTRACT	2 - 1 with Numera Sistemi e Informatica S.p.A. - 1 with Abissi s.r.l.
REFERENCE PERSON	<p>PROF. ALESSANDRO GIUA</p> <p>EMAIL: giua@unica.it - TEL. +39 0706755751</p>
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