

PhD Course in Electronic and Computer Engineering with major in: - COMPUTER ENGINEERING AND AUTOMATIC CONTROL - ELECTRONIC AND TELECOMMUNICATIONS	
DISCIPLINARY SCIENTIFIC AREA	9 - INDUSTRIAL AND INFORMATION ENGINEERING
PHD COURSE DIRECTOR	PROF. FABIO ROLI
HEAD OFFICE	DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING
COURSE DURATION	3 YEARS
EDUCATIONAL OBJECTIVES AND RESEARCH TOPICS	<p>The PhD course 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>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 REQUIREMENTS (ARTICLE 2 NOTICE) AND ANY OTHER REQUIREMENTS	<ul style="list-style-type: none"> - degree from the Italian university system awarded according to D.M. n. 509/1999 (diploma di laurea specialistica); - degree from the Italian university system awarded according to D.M. n. 270/2004 (diploma di laurea magistrale); - degree from the Italian university system awarded according to the regulations established before D.M. n. 509/1999 (diploma di laurea); - 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 courses in the country of achievement
ADMISSION TESTS	<p>ASSESSMENT OF QUALIFICATIONS, CURRICULUM VITAE, WRITTEN TEST AND INTERVIEW.</p> <p>All admission tests can be conducted in English.</p>
ADMISSION TESTS FOR FOREIGN APPLICANTS FOR RESERVED POSITIONS WITH OR WITHOUT SCHOLARSHIP	<p>EVALUATION OF THE CURRICULUM VITAE, REFERENCE LETTERS AND INTERVIEW.</p> <p>The interview can be conducted in English by teleconference (skype) with audio and video modality that allows the verification of the identity of the candidate.</p> <p>The curriculum vitae and letters of reference can be written in English.</p> <p>For foreign applicants, the dates of interviews by teleconference (skype) will be communicated to the interested parties via email.</p>



TOPICS OF WRITTEN TEST	The written test for the Italian candidates consists in the preparation of the support material (transparencies) for a scientific presentation on the topics of the doctoral programme
POSITIONS	13
SCHOLARSHIPS	6 UNIVERSITY OF CAGLIARI (1 RESERVED FOR FOREIGN CANDIDATES GRADUATES IN FOREIGN UNIVERSITIES); 1 DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING - Software Engineering and Knowledge Engineering for Complex Systems - REFERENCE PERSON: PROF. M. MARCHESI ; 1 DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING - Real Time management of Energy Storage System in RES based microgrids. - REFERENCE PERSON: PROF. A. DAMIANO. 2 "Marie Curie Initial Training Network (ITN)" within the project QoENet, Reference Person: Prof. L. Atzori
POSITIONS WITHOUT SCHOLARSHIP	3
POSITIONS WHICH CAN BE ACTIVATED WITH CONTRACT OF APPRENTICESHIP	1 COMPANY: Saras Ricerche e Tecnologie s.p.a. PROJECT: Modelling of real time systems for energy storage system in microgrids for oil refinery
REFERENCE PERSON	PROF. FABIO ROLI - MOBILE PHONE: +39 320 4372999 - EMAIL roli@dice.unica.it
WEB SITE	http://www.dice.unica.it/DRIEI/