

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"> - a degree from the Italian university system awarded according to D.M. n. 509/1999 (diploma di laurea specialistica); - a degree from the Italian university system awarded according to D.M. n. 270/2004 (diploma di laurea magistrale); - a 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 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>
DATE AND VENUE OF ADMISSION TESTS	<p>Written exam: September 25th, 2014, 9:00 am, Classroom B1, building B, Department of Electrical and Electronic Engineering, Facoltà di Ingegneria e architettura Via is Maglias, Cagliari</p> <p>Interview: September 25th, 2014, Classroom B1, building B, Department of</p>

	Electrical and Electronic Engineering - the time of the interview, which will take place in the afternoon, will be announced during the written test. For foreign applicants, the dates of interviews by teleconference (skype) will be communicated to interested parties via email.
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	8
SCHOLARSHIPS	2 P.O.R. SARDEGNA F.S.E. 2007-2013/UNIVERSITY OF CAGLIARI; 1 UNIVERSITY OF CAGLIARI RESERVED FOR FOREIGN CANDIDATES GRADUATES IN FOREIGN UNIVERSITIES; 1 M.I.U.R. "FONDO GIOVANI" (EX D.M. N. 1016/2013); 1 DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING - SPECIFIC RESEARCH PROGRAMS <i>SOFTWARE ENGINEERING TECHNOLOGIES</i> - REFERENCE PERSON: <i>PROF. MICHELE MARCHESE</i> ; 1 DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING RESERVED FOR FOREIGN CANDIDATES GRADUATES IN FOREIGN UNIVERSITIES - SPECIFIC RESEARCH PROGRAMS <i>PATTERN RECOGNITION AND COMPUTER VISION TECHNOLOGIES</i> - REFERENCE PERSON: <i>PROF. FABIO ROLI</i>
POSITIONS WITHOUT SCHOLARSHIP	2
POSITIONS WHICH CAN BE ACTIVATED WITH CONTRACT OF APPRENTICESHIP	2 COMPANY: INFORA SOCIETÀ COOPERATIVA RESEARCH PROJECT TO BE DEVELOPED: Smart monitoring systems COMPANY: PRIMO PRINCIPIO SOCIETÀ COOPERATIVA RESEARCH PROJECT TO BE DEVELOPED: Wireless communication systems for smart solutions and internet of things.
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