



UNIONE EUROPEA
Fondo Sociale Europeo



Università degli Studi di Cagliari

International PhD Programme in INDUSTRIAL ENGINEERING in collaboration with: - University of Novi Sad - University of Oradea	
DISCIPLINARY SCIENTIFIC AREA	09 - INDUSTRIAL AND INFORMATION ENGINEERING
COORDINATOR	PROF. FRANCESCO AYMERICH
HEAD DEPARTMENT	DEPARTMENT OF MECHANICAL, CHEMICAL AND MATERIAL ENGINEERING
DURATION	3 YEARS
LEARNING OUTCOMES AND RESEARCH TOPICS	<p>The goal of the PhD programme is to form professionals who will find suitable job placements at academic institutions, research centers, industries, and who will be able to develop new projects with high scientific and technological content. To this aim, the student has to pass specific exams and develop an original research project aimed at the advancement of knowledge in the relevant field of engineering. At the end of each academic year, the student has to present her/his activities to the PhD board.</p> <p>The main topics (ERC subsector) of the PhD programme in Industrial Engineering are:</p> <ul style="list-style-type: none"> PE7_1 Control engineering PE7_2 Electrical and electronic engineering: semiconductors, components, systems PE7_4 Simulation engineering and modeling PE6_6 Informatics and information systems PE8_2 Chemical engineering, technical chemistry PE8_6 Energy systems (production, distribution, application)) PE8_8 Mechanical and manufacturing engineering (shaping, mounting, joining, separation) PE2_3 Nuclear physics LS7_1 Medical engineering and technology
ELIGIBILITY AND OTHER REQUIREMENTS FOR CANDIDATES (ART. 2 - NOTICE OF COMPETITION)	<p>Applicants must hold the following academic qualifications for admission:</p> <p>Foreign candidates:</p> <ul style="list-style-type: none"> LM-4 Architettura e ingegneria edile-architettura LM-13 Farmacia e farmacia industriale LM-17 Fisica LM-20 Ingegneria aerospaziale e astronautica LM-21 Ingegneria biomedica LM-22 Ingegneria chimica LM-23 Ingegneria civile LM-24 Ingegneria dei sistemi edilizi LM-25 Ingegneria dell'automazione



	<p>LM-26 Ingegneria della sicurezza LM-27 Ingegneria delle telecomunicazioni LM-28 Ingegneria elettrica LM-29 Ingegneria elettronica LM-30 Ingegneria energetica e nucleare LM-31 Ingegneria gestionale LM-32 Ingegneria informatica LM-33 Ingegneria meccanica LM-34 Ingegneria navale LM-35 Ingegneria per l'ambiente e il territorio LM-40 Matematica LM-44 Modellistica matematico-fisica per l'ingegneria LM-53 Scienza e ingegneria dei materiali LM-54 Scienze chimiche LM-70 Scienze e tecnologie alimentari LM-71 Scienze e tecnologie della chimica industriale LM-75 Scienze e tecnologie per l'ambiente e il territorio 14/S (specialistiche in farmacia e farmacia industriale) 20/S (specialistiche in fisica) 25/S (specialistiche in ingegneria aerospaziale e astronautica) 26/S (specialistiche in ingegneria biomedica) 27/S (specialistiche in ingegneria chimica) 28/S (specialistiche in ingegneria civile) 29/S (specialistiche in ingegneria dell'automazione) 30/S (specialistiche in ingegneria delle telecomunicazioni) 31/S (specialistiche in ingegneria elettrica) 32/S (specialistiche in ingegneria elettronica) 33/S (specialistiche in ingegneria energetica e nucleare) 34/S (specialistiche in ingegneria gestionale) 35/S (specialistiche in ingegneria informatica) 36/S (specialistiche in ingegneria meccanica) 37/S (specialistiche in ingegneria navale) 38/S (specialistiche in ingegneria per l'ambiente e il territorio) 45/S (specialistiche in matematica) 50/S (specialistiche in modellistica matematico-fisica per l'ingegneria) 61/S (specialistiche in scienza e ingegneria dei materiali) 62/S (specialistiche in scienze chimiche) 82/S (specialistiche in scienze e tecnologie per l'ambiente e il territorio) and all the equivalent degrees awarded according to the old Italian Regulations.</p> <p>Foreign candidates: Foreign academic degrees equivalent to the Italian degrees mentioned above.</p>
<p>ADMISSION TESTS</p>	<p>ASSESSMENT OF QUALIFICATIONS AND CURRICULUM VITAE, AND VIDEO CONFERENCE INTERVIEW. During the interview, the candidate's language skills in English will be assessed.</p>
<p>ADMISSION TESTS FOR FOREIGN CANDIDATES APPLYING FOR RESERVED POSITIONS SUPPORTED BY A SCHOLARSHIP</p>	<p>ASSESSMENT OF QUALIFICATIONS AND CV, VIDEO CONFERENCE INTERVIEW The interview can also be conducted in English. Reference letters must be written in English, using the form available</p>



	on the webpage https://unica.it/dottoraticerca (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	5
SCHOLARSHIPS	2 FUNDED BY MUR "2019-2020 PLANNING EX ART. 1 D.M. N. 435/2020 STATE UNIVERSITIES" 2 FUNDED BY MUR PL, 1 OF WHICH RESERVED FOR FOREIGN CANDIDATES HOLDING A FOREIGN DEGREE
POSITIONS WITHOUT SCHOLARSHIP	1
REFERENCE PERSON	PROF. FRANCESCO AYMERICH EMAIL: francesco.aymerich@dimcm.unica.it TEL. +39 0706755706/5727
WEBSITE	https://dottorati.unica.it/ingegneriaindustriale/