

ADDENDUM TO THE CALL FOR APPLICATIONS - PH.D. COURSES – XXXVII CYCLE – UNIVERSITY OF CATANIA, ISSUED BY THE RECTOR WITH DECREE N. 2152 OF JUNE 29 2021

THE RECTOR

Having regard to the following:

- Ministerial Decree n. 45, 08/02/2013, “*Regolamento recante modalità di accreditamento delle sedi e dei corsi di dottorato e criteri per la istituzione dei corsi di dottorato da parte degli enti accreditati*”;
- The Regulation on Ph.D. courses currently in force the University of Catania;
- The Call for applications–Ph.D. Courses XXXVII cycle, issued by the Rector with Decree n. 2152 of June 29 2021;
- The integration of the Call for application – Ph.D. Courses XXXVII cycle, issued by the Rector with Decree n. 2299 of July 8 2021;
- Annex 9 of the aforementioned call concerning the Ph.D. course in “Systems, energy, computer and telecommunications engineering”;
- Article 14, pt. 1, of the aforementioned call, which stipulates that the administration considers the possibility of modifications, updates or integrations - to be exclusively advertised through www.unict.it (section “*Bandi, gare e concorsi*” > “*Studenti e Post laurea*” > “*Dottorati di ricerca*”) - in case the number of places with scholarships, and consequently the number of places without scholarships, increases due to further funds made available after the issuing of this call, provided the respect of the terms of assignation of places to candidates on the pass list;
- The note n.295/2021 containing the commitment of expenditure of the Department of Electric, Electronic and Computer Engineering concerning an additional scholarship for the Ph.D. course in Systems, energy, computer and telecommunications engineering;
- The necessity of redefining the number of places related to the Ph.D. course in “Systems, energy, computer and telecommunications engineering” in consideration of the supervened availability of additional scholarships;
- All this considered;

DECREES

The call for applications – Ph.D courses, XXXVII cycles of the University of Catania, issued with Rector’s Decree n. 2152 of June 29 2021 and integrated by the Rector with Decree n. 2299 of July 8 2021, is integrated as follows:

Art.1 The number of places with scholarships concerning the Ph.D. course in “Systems, energy, computer and telecommunications engineering” is redefined as indicated in Annex 9, with the number of available places being increased by one (1) according to what is stated in the premises.

CATANIA,

(Prof. Francesco Priolo)

GC/sl

Ph.D. Course	SYSTEMS, ENERGY, COMPUTER AND TELECOMMUNICATION ENGINEERING
Cycle	XXXVII
Scientific area	Industrial and Information Engineering
Duration	3 years
Department	Department of Electric, Electronic and Computer Engineering
Department website	http://www.dieei.unict.it/
Ph.D. Course Coordinator	Prof. Paolo Arena
Partner Institution(s)	None
Research themes	<p>The Ph.D. course learning paths concern Electronics, Automation, Complex Systems Engineering and Control, Instrumentation, Sensors and Wireless Networks of Sensors, Internet of Things, Big Data, Mechanics, Materials, Bio-engineering and Bio-Robotics, Microsystems, Generation, Transmission, Use, Management and Control of Energy, Information Systems, Systems of Telecommunications and Magnetic Fields with a focus on themes related to Smart Systems, Cities and Environment.</p> <p>The course provides candidates with a skill profile that associates technical-scientific training with the development of a research project to be carried out at highly qualified institutions, both national and international, or enterprises. The academic board is integrated by foreign academics who support candidates in their training and research work.</p>
Available places	<ol style="list-style-type: none"> 1) Places with scholarship financed by the University of Catania: 6 2) Places with scholarship financed by T.I.M. S.p.A. : 1 <u>Research theme:</u> Cloud-native and edge-powered verticals in a 5G ecosystem 3) Places with scholarship co-financed by the Department of Electric, Electronic and Computer Engineering of the University of Catania, Cisma Ambiente S.p.A. and ENEA: 1 <u>Research theme:</u> Processes and methodologies for the management and enhancement of industrial waste in business circular transition 4) Places with scholarship co-financed by the Department of Electric, Electronic and Computer Engineering of the University of Catania and the Institute for Astrophysics – Catania Astrophysical Observatory: 1 <u>Research theme:</u> “Big Data Mining in modern infrastructures for control and monitoring related to the Cherenkov Telescope Array”. 5) Places with scholarship financed by the Institute for Microelectronics and Microsystems of the National Council for Research (50%) and ST Microelectronics S.r.l. (50%) within the program “Industrial Doctorates” sponsored by the National Council for Research and Confindustria: 1 <u>Research theme:</u> Development of big data solutions for quality processes in the semi-conductors industry 6) Places with scholarship financed by the Department of Electric, Electronic and Computer Engineering of the University of Catania (Prog. Amelie, POR 2014/2020): 1 <u>Research theme:</u> Topology Optimization Methods for Additive Manufacturing 7) Places without scholarship: 1 <p>TOTAL: 12</p>
Selection procedures	<ol style="list-style-type: none"> 1) Evaluation of qualifications 2) Oral examination (also in the form of video-conference interview)
Date, place, format and language of the oral examination	<p>Date: September 13 2021 h. 9,00 (9,00 am Italian time) Place: Department of Electric, Electronic and Computer Engineering, viale Andrea Doria, n. 6, Catania Date and place changed as reported in the notice available at: https://www.unict.it/it/bandi/dottorati-di-ricerca/2021-2022/dottorati-di-ricerca-ciclo-xxxvii Format:</p> <ol style="list-style-type: none"> 1. Dissertation on the research project 2. General knowledge of the themes of the candidate’s degree and/or the themes related to the Ph.D. course <p>Language: Italian or English</p>