INTERNATIONAL DOCTORATE

IN

CIVIL AND ENVIRONMENTAL ENGINEERING

Director prof. Luca Solari

XXXVII cycle – academic year 2021/2022

The Pegaso Scholarships are financed with the resources of the Region of Tuscany that can represent an advance of POR FSE TOSCANA 2021/27 funds. The Pegaso Scholarships are the Region of Tuscany's project to promote the autonomy of the youth falls within the sphere of "GiovaniSì" (www.giovanisi.it).

TECHNOLOGICAL AREA	
ADMINISTRATIVE OFFICE	Department of Civil and Environmental Engineering (DICEA)
REGIONE TOSCANA PEGASO PROJECT 2021	University of Florence University of Pisa
PARTNER INSTITUTIONS	Bauingenieurwesen und Umweltwissenschaften – Technische Universitat Braunschweig, Germany – Fakultat 3 Architektur
CURRICULA	1. Solid, Fluid and Materials Mechanics 2. Construction Design, Verification and Control 3. Environment, Resources and Security
	POSITIONS AVAILABLE: 12 Positions with scholarship: 10 Positions without Scholarship: 2* ** standard ranking only*
RANKING LIST FOR STANDARD POSITIONS SCHOLARSHIPS AVAILABLE: 6	**5** - University of Florence **1** – Novamont s.p.a. **Thematic:** ''Waste and Bioplastics composting''.
RANKING LISTS FOR POSITIONS WITH SPECIFIC RESEARCH TOPICS SCHOLARSHIPS AVAILABLE: 4	Regione Toscana Pegaso Scholarships 2021** 1. **Thematic:** "Development of methodologies for the evaluation of corrosion phenomena effects in prestressed reinforced concrete bridge decks with post-tensioned cables". 2. **Thematic:** "A Plastic Budget Methodology to Model plastic pathways, degradation and storage in rivers, coastal areas and open seas". 3. **Thematic:** "Development of transport infrastructure technologies to improving traffic fluidity, efficiency and road safety".

	4. **Thematic:** "Study and development of Machine Learning-based approaches for Structural Health Monitoring of historical constructions". *** A period of **training/research** in an enterprise, a public research institution or other public institution (not a university) of at least **3 months** is **mandatorily** required.*
STUDY/RESEARCH PERIODS ABROAD	Mandatory for all positions
MANDATORY PERIOD REQUIRED	- **9 months** either at TU- Braunschweig or other foreign university with a co- tutorship agreement to be signed within the first year of the course - **12 months** for Pegaso Scholarships 2021 holders are due to perform a mandatory study/research period abroad
DOCUMENTS REQUIRED FOR THE ADMISSION (under penalty of exclusion)	• Copy of the Identification Document • Self-declaration for qualifications (bachelor's/Master's/combined cycle degree) obtained in Italy with a list of all exams taken and their mark, title of the thesis and graduation mark (download the form **here** make sure you **fill in in all the fields**) • Foreign qualification required to access with a list of all exams taken and their mark, title of the thesis and graduation mark. *The same documentation except for the final mark must be submitted by those who will graduate by 31/10/2021*
DOCUMENTS REQUIRED FOR THE EVALUATION	**MANDATORY** • Curriculum vitae • Research project **OPTIONAL** • List of publications • Any other qualification document
REFERENCE LETTERS	A section is provided in the online application to specify the e-mail addresses of one professor/researcher willing to provide information about candidates training path and activities performed within a scientific field related to the Ph.D. course.
RESEARCH PROJECT	Research project carried out in the context of the PhD program and should refer to at least one of the research topics/fields listed in correspondence to each curriculum. Here the complete list: https://www.indicee.unifi.it/vp-170-topics-xxxvii-cycle.html. The project should be written in English and should not exceed 3 pages including the references. For candidates applying for specific research topics scholarships Pegaso 2021, the submitted research project should be related to that specific topics. In case the candidate also applies for standard positions (double application), the research project submitted will be valid for the application for standard scholarship as well.

EVALUATION PROCEDURE	• **Evaluation of curriculum vitae, research project, publications and other qualification documents** • **Interview** As detailed in the section below **"Evaluation Marks"**.
OTHER LANGUAGE FOR THE INTERVIEW	**English**
INTERVIEW MODE	**In-person** **N.B.** In the application form the candidate can ask to take the interview **remotely**.
FURTHER INFORMATION ABOUT EXAMINATIONS	The candidate's engineering background, necessary for the proposed research project, will be also verified during the interview. The Interview will be as well intended to verify candidates knowledge of the English language (level B2 or higher).
FURTHER INFORMATION ABOUT THE PROGRAMME	The International PhD Programme leads **mandatorily** to the achievement of a joined/double degree in co-tutorship with a foreign University, according to the rules and modalities provided by the Call and by the internal Regulation. Further information available at the following web page: https://www.indicee.unifi.it/index.php
EVALUATION MARKS	

Parameter	Minimum score	Maximum score
Curriculum vitae, publications, qualification documents	10/120	20/120
Research Project	20/120	30/120
Applicants who obtain a mark of at least 30/120 according to the minimum score for each parameter will be admitted to the interview		
Interview	50/120	70/120
Eligibility is achieved with a minimum score of 80/120		

EXAMINATION SCHEDULE			
	DATE	**TIME**	**PLACE**
INTERVIEW	September 15th – 16th 2021	9:30 a.m.	University of Pisa Polo Didattico di Porta Nuova Room PN8 Via Padre B. Fedi, 56122 Pisa
The list of candidates admitted to the interview and the final ranking will be published at the following web page: https://www.unifi.it/p12018.html			