







PhD in EARTHQUAKE ENGINEERING (ROSE)

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Scientific fields	ICAR/09, ICAR/07, GEO/10
Brief description	The PhD in Earthquake Engineering (ROSE) is a three-year full-time joint programme
bilei description	with the University of Pavia. The ROSE PhD aims to train graduates and professionals with strong scientific and professional capabilities, aware of the cultural, technical and management contents related to earthquake engineering and seismic risk, including topics related to seismology, geophysics, geology, geotechnics, behaviour of materials and structures, structural analysis, design of new structures and assessment of existing structures, with particular attention to the study of data acquisition methods, methods of investigation of materials, technologies and structures, the development of interpretative frameworks for assessment of hazard, vulnerability, exposure and, consequently, seismic risk, and techniques for safeguarding elements and structures, i.e. essential project components for risk reduction. The programme is characterised by interdisciplinary character, international experience, constant reference to the most advanced and applied research.
Language	English
Duration	3 years
Number of	8 positions, of which:
positions available	
•	- n. 2 positions funded by IUSS
	 n. 1 position with scholarship funded by National Recovery and Resilience Plan (PNRR) - DM 629/2024 – Investment 3.4 "Digital and environmental transitions", on the following topic:









	 n. 2 positions covered by University of Pavia with scholarship co-funded under National Recovery and Resilience Plan (PNRR) - DM 630/2024 – Investment 3.3. Innovative Doctorates, on the following topic: Risk assessment and damage scenarios of structures and infrastructure The research will concern for example, but not exclusively, the evaluation of performance and safety of existing buildings and infrastructure assets, using risk variables, as well as other probabilistic parameters, for greater sustainability with respect to natural hazards and climate change. Company involved: GEM Foundation n. 2 positions with scholarship funded by the Eucentre Foundation, on a topic to be agreed upon with the Eucentre Foundation, at the beginning of the programme.
Submission	01/07/2024 at 13:00 (CEST)
deadline for the	
online application	
Mandatory	
documentation*	a) A PDF copy of a valid identity document;
to be attached to	b) Self-certification of the MSc Degree Certificate (in case of Italian or UE
the online	educational qualification) OR copy of the MSc Degree Certificate (NON-EU
application	educational qualification);
	c) Academic and professional CV;
*failure to upload the	d) <i>Diploma Supplements</i> (or similar documents) of "Diploma di Laurea
documentation referred to in (a) and (b) will result	Triennale"/BSc Degree and "Diploma di Laurea Magistrale"/MSc Degree.
in exclusion from the	
competition procedure	
Qualification	a) Academic and professional CV;
assessment	b) Diploma Supplements (or similar documents) of "Diploma di Laurea Triennale"/BSc Degree and "Diploma di Laurea Magistrale"/MSc Degree;
	c) Scientific publications (and list of relevant publications);
	d) Up to three reference letters (to be sent by the referees following the online
	application procedure);
	e) Any other academic or professional qualifications that the candidate deems
	relevant to the programme.
Interview and	The selection will be performed through the assessment of the qualifications listed in
evaluation	the section "Qualification assessment" (maximum 50 points) and through an
	interview (maximum 50 points). The Selection Board will therefore award a final
	score from 1 to 100.
	The Selection Board will assess the submitted scientific qualifications awarding a
	score up to 50 points. The candidates obtaining a score of at least 36/50 in the
	assessment phase, will be accepted to the interview. Candidates are not required to
	be present during the assessment of qualifications.
	The interview may also be carried out online, if the candidate can be identified. The
	interview will entail a discussion about the scientific background and skills of the
	candidate and about the research that the candidate would like conduct, as well as
	technical/scientific questions, with the aim of ascertaining the candidate's
	background, vocation and aptitude for research. Candidates obtaining a score below
	36/50 in the interview will not be eligible to be admitted to the programme hence
	not part of the ranking list.
	During the interview, the selection board will verify that the candidate has the
	necessary fundamental knowledge and skills to for attending the doctoral course









	and evaluate the eligibility for the research topics of the scholarships announced.
	IUSS Pavia will notify the scholarship holders of their admission to the programme
	using the e-mail address provided in the application.
Test schedule	The results about the evaluation process will be published on the IUSS website
	http://www.iusspavia.it.
	The interviews will be carried out from 22/07/2024 at 09:30 CEST onwards, at the
	"EUCENTRE Foundation", Via Ferrata n. 1, 27100, Pavia or online.
Information	e-mail: postlaurea@iusspavia.it