

Allegato n. 3

ENERGY SCIENCE AND ENGINEERING	
Total positions available	<p>INTERNATIONAL CURRICULUM:</p> <p>n.6 positions with full scholarship</p> <p>n.1 position with full scholarship, reserved to candidates with a degree from a non-Italian University</p> <p>n.1 position without scholarship</p> <p>INDUSTRIAL CURRICULUM</p> <p>n.3 positions reserved for employees of the following company: Malvin srl (1 position), EPM srl (1 position), FPT industrial SpA (1 position).</p>
Deadline for applications	August 27, 2021
international curriculum	<p>n.6 positions with full scholarships</p> <p>n.1 position with scholarship, reserved to candidates with a degree from a non-Italian University (1 scholarship is funded by CNR and 50% of 2 scholarships is funded by ENEA)</p> <p>n.1 position without scholarship</p>
industrial curriculum	<p>n.3 positions reserved for employees of the following company: Malvin srl (1 position), EPM srl (1 position), FPT industrial (1 position).</p>
Course duration	Three years, starting from November 1, 2021
Foreign universities affiliated for the international doctorate	University of Ljubljana- Faculty of Mechanical Engineering, SI 1000, Slovenia.
Academic disciplines related to PhD course	Thermodynamics and Thermal Science, Fluid Machinery, Energy conversion and Management, environmental impact of energy systems, Material science and Electrical systems, Industrial planning, Chemical foundations of technologies
Education aims	<p>The main objective of the PhD course in Energy Science and Engineering is to prepare researchers with an interdisciplinary view of energy-related issues, coupled with managerial and specific competences for different technological environments. Traditional theoretical studies will be combined with the use of modern computational techniques, numerical modeling of energy problems, and measurements. This will guarantee the use of up-to date research techniques and the development of new solutions and best practices for a variety of industrial and management applications in the energy sector. Students will be required to take the program courses/modules and attend seminars, which will be held by professors and researchers in the scientific committee, as well as external and foreign professionals and scientists, on basic</p>

	<p>topics as well as specific topics related to the research activities of doctoral candidates.</p> <p>For the international curriculum, it is compulsory for students to carry out at least three months of research abroad.</p> <p>For the industrial curriculum, specific objectives of the program will be defined according to a research project agreed with the company.</p>
Coordinator	Prof. Laura Vanoli
Specific requirements	<ul style="list-style-type: none"> - Italian “laurea specialistica” or “laurea magistrale” awarded in accordance with the Italian DM 509/1999 and subsequent amendment and additions. “laurea” or “diploma di laurea” awarded in earlier courses whose legal duration is at least four years. - A degree from a foreign University equivalent to the above degrees. <p>In the latter case, if the title has not already officially declared equivalent to the Italian degree (Declaration of Value), the decision on admission will be demanded to the examination board for admission to the PhD program.</p> <p>If admitted, in order to finalize enrollment, foreign students will have to send the official Declaration of Value by October 31, 2021.</p>
Evaluation procedure	<p>The evaluation of the examination board for admission to the PhD program will be based on the following criteria:</p> <ul style="list-style-type: none"> - candidate’s curriculum and publications (max. 60 points); - other scientific titles/certifications of experience (max. 10 points); - a three years research proposal* submitted by the applicant. (max. 20 points). - recommendation letters, with specific reference to the PhD program (max. 10 points); <p>Only applicants who receive a total score of at least 60/100 after evaluation of the above-mentioned CV, titles/certificates, research proposal and recommendation letters, will be admitted to the interview.</p> <p>Applicants must submit a certificate of the exams taken for the degree, with marks obtained for each course.</p>
Admission procedure	<p>The admission procedure is structured in two phases:</p> <ul style="list-style-type: none"> - In the first one, the examination board evaluates the applicant’s curriculum and all documentation attached to their applications, as specified above; - the second part of the procedure consists of an interview with the candidate.
Interview	<p>The interview will be held on 16 September 2021, starting from 10:00 am, at the Department of Engineering Centro Direzionale, Isola C4 - 80143 Napoli, Italy.</p>

The interview will be based on the discussion of the candidate's curriculum, titles and certifications, and research proposal. During the interview, the candidate's knowledge of English will also be assessed.

The maximum score for the interview is 40 points. Only candidates scoring a minimum of 24 points will pass the interview.

The interview can be held either in Italian or in English.

* Applicants **must** submit a research project proposal of **maximum five pages** (A4 format). This proposal does not represent the research that the applicant will develop during his/her Ph.D. program.