

<b>PhD Course: FUSION SCIENCE AND ENGINEERING in agreement with Università degli Studi di Napoli Federico II</b>			
<b>Department</b>	Centro di Ateneo "Centro Ricerche Fusione"		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by the University	n. 2	
	Scholarships funded by institution arrangement	n. 3	1 scholarship funded by Università degli Studi di Napoli "Federico II"; 1 scholarship funded by Università degli Studi di Napoli "Federico II"; 1 scholarship funded by Università degli Studi di Napoli "Federico II";
	Scholarships funded by external public or private bodies/Departments	n. 1	1 scholarship funded by Eni S.p.A. - <b>Topic:</b> Review and comparison of divertor configurations for High Magnetic Field Tokamak;
	Industrial Doctorate	n. 2	1 place reserved to employees of Consorzio RFX legally seated in Corso Stati Uniti, 4, 35127 Padova; 1 place reserved to employees of Consorzio RFX legally seated in Corso Stati Uniti, 4, 35127 Padova.
	<b>Total number of positions</b>	<b>n. 8</b>	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants will take the oral examination via remote interview (ZOOM)		
<b>Evaluation criteria</b>	Qualifications: points max 70 Oral examination: points max 30		
<b>Documents to be submitted</b>	Thesis:	Points: max 10	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 30th September 2020 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 30	The CV must include the following information: - Grade Point Average (GPA) for every degree obtained (attach copy of the Transcript of Records). - Time spent abroad during your studies (e.g. Erasmus grants, Time, Erasmus Placement, thesis abroad, etc.) -Relevant work experience (research grants, scholarships, internship periods, period of employment); - Awards - Knowledge of languages: in case, indicating the certificate(s)
	Scientific publications:	Points: max 5	Publications in journals/conferences Proceedings/books; manuscripts accepted for publication will also be considered only if a written acceptance letter is attached or a DOI is provided)
	Other documents:	Points: max 25	The candidate must submit a RESEARCH PROJECT among the research topics presented here: <a href="http://crf.unipd.it/admission-and-application-procedures">crf.unipd.it/admission-and-application-procedures</a> If the candidate is applying for the

			scholarship with mandatory thesis topic, the proposed project must be related to that specific research topic. See the description here: <a href="https://www.crf.unipd.it/admission-and-application-procedures">crf.unipd.it/admission-and-application-procedures</a> The research project must include: 1) Project title and abstract (max 500 words) 2) State of the Art of the subject of the project (max one page) 3) Project objectives and scientific and personal motivations for undertaking the specific research proposed and for choosing the PhD course in Fusion Science and Engineering (max one page) 4) Methods proposed to achieve the project objectives, and sequence of activities (max one page) 5) References (max 10) The project should be written in English using an A4 page format, preferably with 2.5 cm margins, single line, Times Roman 12pt
<b>Preselection: First meeting of the Evaluating Commission</b>	30 JUNE 2020 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	<p>Within <b>30 JUNE 2020</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.crf.unipd.it/">https://www.crf.unipd.it/</a></p> <p>In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.</p>		
<b>Publication of the instructions on how to use the ZOOM video conferencing</b>	By <b>30 JUNE 2020</b> the commission will publish on the course website <a href="https://www.crf.unipd.it/">https://www.crf.unipd.it/</a> the instructions on how to use the ZOOM video conferencing.		
<b>Oral examination via ZOOM video conferencing</b>	01 JULY 2020 09:00		
<b>Language/s</b>	<p><b>Foreign language/s assessment at the oral examination:</b> At the oral examination the commission will assess the knowledge of the following language/s: English</p> <p><b>Admission exam:</b> The admission exam will be taken in: English</p>		
<b>Examination topics</b>	Plasma Physics and Magnetic Confinement Fusion Technology		
<b>Didactic program</b>	The PhD course addresses the subject of thermonuclear fusion. Mandatory courses for 18 ECTS, including at least 2 among: AC1 Physics of Controlled Thermonuclear Fusion AC2 Engineering of a Magnetically Confined Fusion Reactor AC3 Experimental tools for diagnosing and controlling in real-time fusion relevant plasmas info: <a href="https://www.crf.unipd.it/phd-course-dottorato/courses">crf.unipd.it/phd-course-dottorato/courses</a>		
<b>PhD Course Website:</b>	<a href="https://www.crf.unipd.it/">https://www.crf.unipd.it/</a>		
<b>Further information</b>	<p><b>Department:</b> Centro di Ateneo "Centro Ricerche Fusione"  <b>Address:</b> Via Corso Stati Uniti - N. 4, 35127 Padova (PD)  <b>Contact person:</b> Colautti Fiorella  <b>telephone:</b> +39 049 8295891 <b>e-mail:</b> <a href="mailto:fiorella.colautti@igi.cnr.it">fiorella.colautti@igi.cnr.it</a></p>		
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati36">https://pica.cineca.it/unipd/dottorati36</a></p> <p>The documents must be attached in pdf format.</p> <p>The application and the attached documents are submitted automatically by closing the online procedure. So no hard copy of the application and of the documents must be sent to the</p>		

	office.
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>3 August 2020</b> Beginning of PhD courses <b>1 October 2020</b>