



INFORMATION TECHNOLOGIES		
<b>Cycle</b>	<b>XXXIII</b>	
<b>Duration</b>	3 years	
<b>Coordinator</b>	Prof. Marco LOCATELLI – Department of Engineering and Architecture E-mail: <a href="mailto:marco.locatelli@unipr.it">marco.locatelli@unipr.it</a>	
<b>Research Topics</b> (the applicant <b>MUST</b> indicate one research topic)	<ul style="list-style-type: none"> <li>Electronics instrumentation and electrical drives</li> <li>Computer systems and automatic control</li> <li>Telecommunications and electromagnetic fields</li> </ul>	
<b>Training objectives</b>	The course aims at educating the future Ph.D.'s so that they will enter the research world with an active role, within both universities and industries	
<b>Academic degree required</b>	Laurea pursuant to the previous university system, laurea specialistica or laurea magistrale, or a foreign academic qualification that has been recognized as equivalent	
POSITIONS PUT OUT TO COMPETITION		
<b>With Scholarship</b>	9	
<b>Without Scholarship</b>	3	
<b>TOTAL</b>	<b>12</b>	
KIND OF SCHOLARSHIP		
N°	<i>Funding entity</i>	<i>Research Topic, if any</i>
3	Scholarship Ministerial funds	--
1	Scholarship University funds	--
1	Adidas AG	<ul style="list-style-type: none"> <li>Advanced Computer Vision Techniques for Fashion and Design</li> </ul>
1	things2i s.r.l.	<ul style="list-style-type: none"> <li>Innovative navigation, processing and communication systems for IoT and UAV-based applications</li> </ul>
2	VisLab s.r.l.	<ul style="list-style-type: none"> <li>Perception and control systems for autonomous navigation of ground vehicles and drones</li> </ul>
1	Co-funded by Fondazione Cariparma	<ul style="list-style-type: none"> <li>Integration between satellite and 5G Earth wireless networks</li> </ul>
ADMISSION PROCEDURES		
<p><b>Assessment of QUALIFICATIONS:</b> up to 70 points (a minimum score of 30 points shall be required to be admitted to the Oral Exam)</p> <p><b>ORAL EXAM:</b> up to 50 points</p> <p><b>Minimum score for ELIGIBILITY:</b> 70/120</p>		



<b>Foreign Language</b>	<p>Language the fluency of which shall be assessed during the Oral Exam: <b>ENGLISH</b>.</p> <p>The evaluation of the knowledge of this language will be oral and will consist of a short interview on a technical topic.</p>	
<p><b>Possibility of videoconference for candidates residing or temporarily abroad</b> (the relevant request shall be submitted using the form attached to the competitive examination announcement)</p>		<b>YES</b>
THE INTERVIEW MAY BE HELD ALSO IN ENGLISH		
<b>LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT</b>		
<b>Graduation thesis</b>	Abstract of the graduation thesis ( <b>although not yet discussed, provided has signed by the supervisor</b> ) ( <b>mandatory qualification</b> )	<b>Up to 5 points</b>
<b>Curriculum Vitae et studiorum and other qualifications</b>	Including academic career and postgraduate experience, accompanied with a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark ( <b>mandatory qualification</b> )	<b>Up to 25 points</b>
<b>Research Project</b> (it does not represent a constraint with respect to the following choice of the doctoral thesis)	<p>The research project shall consist of a maximum of 3 pages, be written in Italian or in English, focus on an original research topic and it shall be structured as follows: introduction of the problem in the scientific context, significance of the problem, expected results, argumentation.</p> <p><b>Candidates are strongly encouraged to consult the Ph.D. research topics at <a href="http://pdh.dii.unipr.it">http://pdh.dii.unipr.it</a> for the purpose of drawing up a research project consistent with the Ph.D.</b></p>	<b>Up to 30 points</b>
<b>Scientific publications</b>	Articles on national and international journals, papers presented at conferences or symposia, book chapters etc.	<b>Up to 5 points</b>
<b>Reference Letters</b>	<p>A maximum of 2 written by professors or researchers at the University of origin of the candidate or from other universities or from experts in the research areas working in public or private research facilities.</p> <p>They must be sent directly by the signer to the address E-mail: <a href="mailto:marco.locatelli@unipr.it">marco.locatelli@unipr.it</a> (The candidate, therefore, not uploading them through the procedure of the competition online registration)</p>	<b>Up to 2 points</b>
<b>Other qualifications</b>	Awarding of Scholarships, test GRE, prizes, trainings, etc.	<b>Up to 3 points</b>



SCHEDULE OF THE ADMISSION EXAMS	
<b>ORAL EXAM</b>	<p><b>ORAL EXAM DATE:</b> 15 September 2017</p> <p><b>TIME:</b> starting from 09:00am in accordance with the schedule that will be provided by the committee</p> <p><b>PLACE:</b> Master Room – Building 3 Parco Area delle Scienze, 181/A – 43124 PARMA - ITALY</p>
<b>Oral Exam topics</b>	The Oral exam will focus on qualifications and research interests of the candidate.
<b>OTHER INFORMATION</b>	For foreign candidates, the admission examinations may be held in English at the candidate's choice.