PhD Course: BRAIN, MIND AND COMPUTER SCIENCE in agreement with Fondazione Bruno Kessler			
Curricula	- Neuroscience, Technology, and Society - Computer Science For Societal Challenges and Innovation		
Department	PSICOLOGIA GENERALE - DPG		
Duration	3 years		
Number of positions	Scholarships funded by the University	n. 5	
	Scholarships funded by institution arrangement	n. 3	**1** scholarship funded by Fondazione Bruno Kessler **- Topic:** Incremental learning of abstract planning models via acting in a real environment (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); **1** scholarship funded by Fondazione Bruno Kessler **- Topic:** Natural Language Processing for Technology Foresight (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); **1** scholarship funded by Fondazione Bruno Kessler **- Topic:** Understanding multimedia with the help of background knowledge (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);
	Scholarships funded by external public or private bodies/Departments	n. 6	**1** scholarship funded by DAN Europe Foundation **- Topic:** Design and analysis of new monitoring systems for humans in special environments (**curriculum:** NEUROSCIENCE, TECHNOLOGY, AND SOCIETY); **1** scholarship funded by Dipartimento di Matematica "Tullio Levi-Civita" - DM su fondi MIUR PRIN-2017, progetto "PREVUE - PRediction of activities and Events by Vision in an Urban Environment" **- Topic:** Activity prediction using computer vision and deep learning models (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); **1** scholarship funded by Dipartimento di Psicologia dello Sviluppo e della Socializzazione - DPSS su fondi "Progetto di sviluppo dipartimentale" **- Topic:** The early effect of cognitive and environmental vulnerabilities on language acquisition (**curriculum:** NEUROSCIENCE, TECHNOLOGY, AND SOCIETY); **1** scholarship funded by Dipartimento di Psicologia Generale - DPG su fondi "Budget Miur - Dipartimenti di eccellenza" Progetto "USE - INSPIRED BASIC RESEARCH - un modello innovativo per la ricerca e la formazione in psicologia" **- Topic:** Use-inspired basic research targeting cognitive, emotional or behavioural functions (or dysfunctions) using innovative methods or technologies, considering how the expected results would have broader impact on

			society (**curriculum:** NEUROSCIENCE, TECHNOLOGY, AND SOCIETY); **1** scholarship funded by Gianluca Mech S.p.A. - **Topic:** Ketogenic diet and health (**curriculum:** NEUROSCIENCE, TECHNOLOGY, AND SOCIETY); **1** scholarship funded by Ledragomma Original Pezzi S.r.l. - **Topic:** EMG signal and muscles activation during different neuro-muscular training with gymnastic balls (**curriculum:** NEUROSCIENCE, TECHNOLOGY, AND SOCIETY);
	Industrial Doctorate	n. 1	**1** place reserved to employees of myInvenio S.r.l. legally seated in Via Fanti, 2 42124 Reggio Emilia (RE) - Italy (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);
	Total number of positions	n. 15	
Higher-level apprenticeship contracts potentially available (3 year contract)	**Curriculum:** Computer Science for societal challenges and innovation - **Employer:** PRICEWATERHOUSECOOPERS ADVISORY S.p.A. - **Place:** Via Belle Putte n. 34 B, 35030 Villa Pedrazza di Rubano (PD) - Italy **Research project:** The focus of the project will be the Cybersecurity of IoT systems. N° **1** Contract potentially available for the above mentioned research project		
Selection criteria	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants who want to take the oral examination via remote interview (SKYPE) will have to specify it in the application form and add their Skype ID		
Evaluation criteria	Qualifications: points max 60 Oral examination: points max 40		
Documents to be submitted	Thesis:	Points: max 10	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 30th September 2019 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 10	Please follow a chronological order within each section of your curriculum, starting from the most recent item backwards. For instance, within the section 'Education' start with the most recent academic degree you have obtained.
	Scientific publications:	Points: max 10	Mention your publication by using consistently the same style (e.g. APA, Chicago, ...) to report main bibliographic information
	Other documents:	Points: max 30	Research project (maximum 2000 words + references) following the template available on the PhD program website, admission page. Reference letters (maximum 2). Attestation/certification of level of English language.
Preselection: First	03 JUNE 2019 10:00		

meeting of the Evaluating Commission	
Publication of the results of the evaluation of the preselection	Within **04 JUNE 2019** the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: **http://hit.psy.unipd.it/admission** In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.
Publication of the timetable of remote interviews	By **04 JUNE 2019** the commission will publish on the course website http://hit.psy.unipd.it/admission the results of the timetable of the remote interviews SKYPE (with the place, date and hour) for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.
Oral examination	05 JUNE 2019 10:00 - HIT (Human Inspired Tecnology) Research Centre, Meeting room - via Luzzatti 4, Padova
Language/s	**Foreign language/s assessment at the oral examination:** At the oral examination the commission will assess the knowledge of the following language/s: English **Admission exam:** The admission exam will be taken in: English
Examination topics	Depending on the background of the applicant, the oral examination will focus on: - computer science - psychology and neuroscience - human-computer interaction - e-health and cybertherapy - Internet of Things - machine learning - big data and safety The applicant might also be asked about his/her prospective doctoral project.
Didactic program	Enrolled students will attend at least 150 hrs. The program offers 21 own courses in English, including 7 courses with mandatory examination. The courses facilitate an interdisciplinary education enabling to collaborate with professionals of different background (More information: http://hit.psy.unipd.it/BMCS)
PhD Course Website:	http://hit.psy.unipd.it/BMCS
Further information	**Department:** PSICOLOGIA GENERALE - DPG **Address:** Via Venezia - N. 8, 35121 Padova (PD) **Contact person:** Longo Ilaria **telephone**: 0498276596 **e-mail:** phd.BMCS@unipd.it
How to apply	The application must be submitted only via the online procedure available at: **https://pica.cineca.it/unipd/dottorati35** The documents must be attached in pdf format. The application and the attached documents are submitted authomatically by closing the online procedure. So no hard copy of the application and of the documents must be sent to the office.
Deadlines	Publication of the ranking lists and enrollment from **8 July 2019** Beginning of PhD courses **1 October 2019**