| PhD Course: BRAIN, MIND AND COMPUTER SCIENCE in agreement with Fondazione Bruno Kessler | | | |
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| **Curricula** | ☐ NEUROSCIENCE, TECHNOLOGY, AND SOCIETY<br>☐ COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION | | |
| **Department** | PSICOLOGIA GENERALE - DPG | | |
| **Duration** | 3 years | | |
| **Number of positions** | Scholarships funded by the University | n. 4 | |
| | Scholarships funded by Fondazione Cassa di Risparmio di Padova e Rovigo reserved to applicants residing outside Italy and foreign qualification | n. 1 | WARNING: if you are in possession of a foreign qualification and you residing outside Italy, please select also this option in the online procedure in the section "PhD courses-positions" |
| | Scholarships funded by institution arrangement | n. 3 | **1** scholarship funded by Fondazione Bruno Kessler **- Topic:** Continual Computational Persuasion: A Framework for Adaptive Behavior Change Strategies (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);<br>**1** scholarship funded by Fondazione Bruno Kessler **- Topic:** Immersive environments for the prevention and management of cognitive decay (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);<br>**1** scholarship funded by Fondazione Bruno Kessler **- Topic:** Statistical relational learning on hybrid domains (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); |
| | Scholarships funded by external public or private bodies/Departments | n. 3 | **1** scholarship funded by Dipartimento di Matematica "Tullio Levi-Civita" - DM su fondi progetto di sviluppo dipartimentale neXt "Networking the eXellence in Mathematics and Computer Sciences" **- Topic:** Computer science innovation for global challenges (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);<br>**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);<br>**1** scholarship funded by Fondazione Cassa di Risparmio di Padova e Rovigo, Intesa Sanpaolo S.p.A., UniSMART - Fondazione Università degli Studi di Padova **- Topic:** Resilient Social Network Analytics (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); |
| | Industrial Doctorate | n. 3 | 1 place reserved to employees of NEW SYFORM legally seated in Via Maggiore, 109 - 31046 Piavon di Oderzo |

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| | | (TV) – Italy (**curriculum: NEUROSCIENCE, TECHNOLOGY, AND SOCIETY**)<br>1 place reserved to employees of Estilos S.r.l. legally seated in Via Vittorio Veneto, 4 - 31045 Motta di Livenza (TV) – Italy (**curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION**)<br>1 place reserved to employees of Estilos S.r.l. legally seated in Via Vittorio Veneto, 4 - 31045 Motta di Livenza (TV) – Italy (**curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION**) |
| | **Total number of positions** | **n. 14** | |

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| **Higher-level apprenticeship contracts potentially available (3 year contract)** | **Curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION - **Employer:** ESTECO SpA - **Place:** Padriciano 99, 34149 Trieste<br>**Research project:** Construction of Simulation Models of Business Process on the basis of Historical Process Data<br><br>N° **1** Contract potentially available for the above mentioned research project<br><br>**Curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION - **Employer:** InfoCert SpA - **Place:** Piazza Luigi da Porto, 3 - 35131 Padova<br>**Research project:** Secure IoT and Identity of Things<br><br>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 will take the oral examination via remote interview (ZOOM) |
| **Evaluation criteria** | Qualifications: points max 60<br>Oral examination: points max 40 |

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| **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 2020 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 | Please choose one style to report the bibliographic information (e.g. APA, Chicago, ...) and stick to it consistently for all your publications. Do not mention presentation at conferences that are not included in full in the conference proceedings. |
| | Other documents: | Points: max 30 | Research project (maximum 2000 words + references) following the template available on this page http://hit.psy.unipd.it/BMCS/admission. Reference letters (maximum 2). Attestation/certification of level of English language. |

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| **Preselection: First meeting of** | 30 JUNE 2020 09:00 |

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| **the Evaluating Commission** | |
| **Publication of the results of the evaluation of the preselection** | Within **01 JULY 2020 at 12.00** the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: **http://hit.psy.unipd.it/BMCS/admission** <br><br> 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 instructions on how to use the ZOOM video conferencing** | By **01 JULY 2020 at 12.00** the commission will publish on the course website http://hit.psy.unipd.it/BMCS/admission the instructions on how to use the ZOOM video conferencing. |
| **Oral examination via ZOOM video conferencing** | 01 JULY 2020 16:00 |
| **Language/s** | **Foreign language/s assessment at the oral examination:** <br> At the oral examination the commission will assess the knowledge of the following language/s: English <br><br> **Admission exam:** <br> 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 are asked to attend at least 150 hrs of classes. The doctoral program has its teaching offer, including seven mandatory courses with a final examination. All courses are offered in English and facilitate an interdisciplinary education between psychology, cognitive neuroscience and computer science (More information: http://hit.psy.unipd.it/BMCS/bmcs-courses) |
| **PhD Course Website:** | http://hit.psy.unipd.it/BMCS |
| **Further information** | **Department:** PSICOLOGIA GENERALE - DPG <br> **Address:** Via Venezia - N. 8, 35121 Padova (PD) <br> **Contact person:** Longo Ilaria <br> **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/dottorati36** <br> The documents must be attached in pdf format. <br> 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 **3 August 2020** <br> Beginning of PhD courses **1 October 2020** |