

ANNEX A - NATIONAL PHD PROGRAMME IN ARTIFICIAL INTELLIGENCE - ACADEMIC YEAR 2021/2022 (37th CYCLE)

Academic year 2021/2022	
Administrative headquarters Dipartimento di Ingegneria Informatica Automatica e Gestionale "Antonio Ruberti"	
n laurea magistrale/specialistica or any equivalent academic degree ned abroad (generally equivalent to a Master Degree)	
ng of candidates for the entire PhD Programme	
l 31 nich ith grant lustrial PhD	
ints co-financed by Sapienza Università di Roma and CNR through funds int financed by Sapienza Università di Roma ints financed by Fondazione Bruno Kessler on the topics: A formal approach to trustworthy autonomy Automated Security Assistants for Confidential Computing TINY-ML for end-to-end audio processing on IOT devices ints financed by Università di Cagliari, of which one co-financed by through FFO funds, both on the topic of Safe and Robust Machine ning approaches for the detection and analysis of cyber threats with existic focus on malware and malware vectors ants financed by Università di Genova, of which 2 co-financed by through FFO funds, on the topic of Trustworthy and Sustainable AI ants co-financed by Università Libera di Bolzano and MUR through funds ants co-financed by Università di Brescia and MUR through FFO sants co-financed by Università della Calabria and MUR through FFO sants co-financed by Politecnico di Bari and CNR through FOE sants co-financed by Politecnico di Bari and CNR through FOE sants co-financed by Dipartimento di Ingegneria Informatica Automatica e ionale "A. Ruberti" di Sapienza Università di Roma on the topic of dations, Techniques and Tools for Reasoning about Actions under boral Specifications, Planning in Nondeterministic Domains, and Markovian Reinforcement Learning in Autonomous Systems (cf. Advanced WhiteMech ">https://whitemech.github.io> and CNR through FOE funds on the topic of Edge-based borative and privacy preserving AI for cyber security applications in -modal transport systems int co-financed by Università di Bergamo and MUR through FFO so on the topic of Application and network security and to-financed by Università di Camerino and MUR through FFO so on the topic of Application and network security and to-financed by Università di Camerino and MUR through FFO so on the topic Formal verification of security protocols in Distributed ter Technologies	

	3 industrial PhD positions available for Babelscape SrI employees on the topics:
	 Multilingual information extraction and knowledge acquisition Multilingual text summarization Multilingual sentence representations and its applications
Notes	Agreements with other institutions/universities are being finalised to
Notes	finance additional grants. In this case, the number of available positions will be increased
Selection criteria	Evaluation of curriculum and research project; interview
Curriculum and research project:	The evaluation of the curriculum and the research project will be conducted as follow:
	 Up to 30 points for the evaluation of the curriculum (including academic career and other titles), reference letters, and publications Up to 30 points for the research project submitted by the candidate.
	The project will be evaluated particularly taking into account the description of the state of the art, the originality and innovative content, the clarity and completeness of the objectives, methodologies, and potential results, the relevance of the project with the educational objectives of the Doctorate.
	Minimum score to qualify: 40 out of 60
Interview	Videoconference YES
	During the interview, aspects concerning the qualifications presented and the project will be deepened and clarified. The interview will also assess the candidate's knowledge, aptitude for research, willingness to conduct training in Italy and abroad, and interest in scientific deepening.
	Minimum score to qualify: 28 su 40
Test schedule	The test schedule and venue will be published on July 15th, 2021 at https://phd.uniroma1.it/web/NATIONAL-PHD-IN-ARTIFICIAL-INTELLIGENCE_nD3764_EN.aspx .
	The list of candidates invited for the interview will be published on the same website (https://phd.uniroma1.it/web/NATIONAL-PHD-IN-ARTIFICIAL-INTEL LIGENCE_nD3764_EN.aspx) at least 5 days before the interview
Information on the teaching	Description and objectives of the course: Since enrolled PhD students are involved in a unique, joint and shared educational-scientific project of the National Doctorate in Artificial Intelligence, they can carry out their research and training activities in the different universities / institutions involved. PhD students are guaranteed an effective sharing of the structures necessary for carrying out the teaching and research activities aimed at the realization of the doctoral project.
	Website of the course: https://phd.uniroma1.it/web/NATIONAL-PHD-IN-ARTIFICIAL-INTELLIGE NCE_nD3764_EN.aspx
	https://www.phd-ai.it/