

CALL FOR APPLICATIONS FOR ADMISSION TO PHD COURSES

(cycle XL – Academic Year 2024/2027)

Positions with scholarship of innovative PhD programme with industrial characterization

P.R. Marche FSE+ 2021/2027 - Asse 4 - OS 4a

PhD programme in HUMANITIES AND TECHNOLOGIES

PhD Coordinator: Prof. Roberto Lambertini

Positions available with scholarship	2
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PRELIMINARY ASSESSMENT CRITERIA	1. Quality and originality of the project presented and its congruence with the chosen research topic
	2. Congruence of the applicant's educational path with the chosen PhD Program
	3. Evaluation of the applicant's CV
Research topics	Activities description
<p>UT3 / RICERCA STORICA, GESTIONE DELLA CONOSCENZA ED ETICA NEL MUTAMENTO DIGITALE</p> <p>TOWARDS A NEW WINE LANGUAGE: INNOVATING AND IMPROVING COMMUNICATION ABOUT WINE</p>	<p>The doctoral candidate will be involved in four types of activities:</p> <ol style="list-style-type: none"> 1. study of linguistic corpora (in order to identify the terms most commonly used to describe the sensory properties of the typical Marche Region wines); 2. research carried out with non-expert Italian adult participants (using both on-line questionnaires and in person data collection sessions, at events organized by the project partner companies) and with expert participants (ONAV/AIS). The aim of these research activities is twofold: first, to test the shared comprehension of the terms most frequently used to describe wine sensory properties; second, to explore the possibility of new "geometric" terminologies; 3. transposition of the data emerged from the analyses of verbal language into simulations of potential labels for wine bottles, and verification of their perception by expert and non-expert participants. This part of the research will involve both an Italian and an international sample of participants (part of this research phase will be carried out by the doctoral student during the period abroad); 4. production of ad hoc materials for disseminating the results of the project (part of this activity will be carried out during the 10 months of research activity carried out in the Company partner of the Research Project). <p>Obligations for scholarship holder: the PhD student must compulsorily carry out study and research activities abroad for a period of not less than (six) months at the University of Lund; the PhD student must compulsorily carry out applied research, in one or more companies belonging to the project partner Cluster, from 6 to 18 months.</p>

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<p>UT1/ DIGITAL HUMANITIES PER LA RICERCA LETTERARIA E LINGUISTICA</p> <p>ARTIFICIAL INTELLIGENCE FOR THE SEMANTIC ANALYSIS OF VISUAL MEDIA IN ARCHIVAL STUDIES</p>	<p>The program includes activities aimed at applying and developing new models based on Artificial Intelligence (AI), such as Large Vision Language Models (LVLM), for the automatic interpretation of media in the field of Library and Information Science (LIS), where historically, manual input by operators into knowledge representation systems has been the norm. The main activities planned are:</p> <ul style="list-style-type: none"> • studying the state of the art to identify the latest practices and methodologies for visual media analysis in archival contexts on one hand, and AI-based semantic investigations on the other; • developing and implementing AI algorithms in the LIS context to identify common narrative patterns, improve understanding, and assist operators in describing and retrieving information, with the ultimate goal of integration with existing standards; • producing scientific articles and outreach materials to disseminate the project's results. <p>All activities will also be carried out in collaboration with the University's international partners, both academic and industrial, as part of the cluster.</p> <p>Obligations for scholarship holder: the PhD student must compulsorily carry out study and research activities abroad for a period of not less than (six) months; the PhD student must compulsorily carry out applied research, in one or more companies belonging to the project partner Cluster, from 6 to 18 months.</p>
<p>SUBJECTS ON WHICH THE INTERVIEW HINGES</p>	<p>Presentation and critical discussion of the research project; assessment of the candidate's knowledge related to the research topic chosen; foreign language proficiency.</p>
<p>INTERVIEW ASSESSMENT CRITERIA</p>	<ol style="list-style-type: none"> 1. Originality and logical development of the project in relation to the chosen research topic 2. Assessment of the educational and working profile, including outside the academic context 3. Experience in terms of national and international mobility, congruent with the candidate's curriculum and the project submitted 4. Proficiency test concerning the knowledge of the stated foreign language/s 5. Consistency of prior study with the chosen research topic
<p>SPECIFIC REQUIREMENTS</p>	<p>Knowledge of at least one foreign language, from among English, Spanish and French.</p>