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| <b>PhD in</b>  | <b>Ingegneria e Scienza dell'Informazione – Information Engineering and Science</b> |
| Coordinator    | Mauro Barni <a href="mailto:mauro.barni@unisi.it">mauro.barni@unisi.it</a>          |
| Department     | Ingegneria dell'Informazione e Scienze Matematiche DIISM                            |
| Open positions | <b>18</b>   |
| of which:      |   |

|  | n. | Funding institution(s)          | Research topic   |
|--|----|---------------------------------|--|
| <b>Positions with scholarship</b>  |    |                                 |  |
| A.   | 3  | University of Siena             | No research topic restriction  |
| B.   | 1  | Leonardo SpA                    | Certified Deep Learning: approaches and methodologies  |
| C.   | 1  | Leonardo SpA                    | Advanced Robotic End-effectors for Grasping and Flexible Manipulation - The goal of the research is to design, develop, and control an adaptive robotic gripper for grasping and manipulation        |
| D.   | 1  | CNR ISTI                        | Artificial intelligence enhanced location-based systems for innovative environments  |
| <b>Positions with DM 351 scholarship</b>   |    |                                 |  |
| E.   | 1  | MUR/University of Siena         | All themes related to PNRR research, including: digitalization, automation and security of productive processes, green transition, resource optimization, artificial intelligence and bioinformatics |
| F.   | 1  | MUR/University of Siena         | Digital transition, automation, security and resource optimization for the public administration   |
| <b>Positions with DM 352 scholarship</b>   |    |                                 |  |
| G.   | 1  | MUR/Leonardo SpA                | Knowledge graphs applied to image recognition  |
| H.   | 1  | MUR/Barilla G.e R. Fratelli SpA | Developing mathematical models and decision support systems for crop planning with sustainability and supply chain constraints   |
| I.   | 1  | MUR/Toscana Life Sciences       | Characterisation of the protein-protein interaction landscape through Deep Learning approaches and application to monoclonal antibodies  |
| J.   | 1  | MUR/Toscana Life Sciences       | A machine learning approach for bioinformatics investigation of - omics technologies   |
| <b>Positions without scholarship</b>   |    |                                 |  |
| K.   | 4  | //                              | No research topic restriction  |
| <b>Positions reserved to scholarship holders of specific international mobility programmes</b> |    |                                 |  |
| L.   | 2  | //                              | No research topic restriction  |

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| Type of rankings  | <ul style="list-style-type: none"> <li>• Single ranking list for positions with scholarship with no research topic restriction and positions without scholarship (positions A and K)</li> <li>• Stand-alone ranking lists for each position with scholarship and specific research topic (positions B, C, D)</li> <li>• Stand-alone ranking lists for each position with DM 351 and DM 352 scholarship (positions E-J)</li> <li>• For positions reserved for scholarship holders of international mobility programmes (position L), see Art. 5, section 5 of the notice</li> </ul>   |
| Documents required for evaluation<br>(to be attached during online application) | <ul style="list-style-type: none"> <li>• <b>Curriculum vitae et studiorum</b> containing a statement of the access title held with the issuing institution in addition to a list of publications (if any)</li> <li>• <b>Research project</b> (in English, max 4 pages);</li> <li>• <b>Reference letters</b> (no more than two) of Italian and international academics and/or research professionals (letters shall not be uploaded, but e-mail addresses of the contact persons are to be provided);</li> <li>• <b>Thesis abstract of Laurea Magistrale/Specialistica/vecchio ordinamento</b> or equivalent foreign degree translated into Italian or English;</li> <li>• English language certification, level B2, if available (optional)</li> <li>• Any other document considered useful for assessing the eligibility of the qualification.</li> </ul> |

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|                                  | <p>Eligibility of foreign degrees (to be translated into Italian or English) is ascertained by the selection committee in accordance with relevant regulations and international agreements on the recognition of qualifications for further studies.</p> <p><u>Candidates who achieved (or will achieve by 31 October 2022) the <b>diploma di laurea at an Italian university</b></u> have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</p> <ul style="list-style-type: none"> <li>• University issuing the title</li> <li>• type of <i>laurea – vecchio ordinamento/specialistica/magistrale</i>;</li> <li>• degree course name</li> <li>• list of examinations with marks</li> <li>• date of title award with final mark or expected award date (no later than 31 October 2022).</li> </ul> <p><u>Candidates who achieved (or will achieve by 31 October 2022) their <b>degree at a foreign university</b></u> (with a duration of at least four years) must specify in their curriculum:</p> <ul style="list-style-type: none"> <li>• University issuing the title</li> <li>• type of degree (min. duration four years) – <i>Bachelor's degree/ Master's degree</i></li> <li>• date of title award with final mark or expected award date (no later than 31 October 2022).</li> </ul> <p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> <li>• <b>transcript</b> – certification of the title with the list of exams and marks – with a translation in Italian or English</li> <li>• <b>Diploma supplement</b> (if available).</li> </ul> |
| Web site for further information | <a href="http://phdies.ing.unisi.it/">http://phdies.ing.unisi.it/</a>   |
| Selection modalities             | <b>Evaluation of qualifications and curriculum</b><br><b>Evaluation of research project (in English)</b><br><b>Interview</b>  |
| Admission requirements           | <b>All masters' degrees</b> ( <i>lauree magistrali, specialistiche, a ciclo unico e vecchio ordinamento</i> )   |
| Exam procedures                  | <p>The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100.</p> <p><b>Evaluation of qualifications and curriculum</b> – up to a maximum of 45 points<br/> <b>Evaluation of research project</b> – up to a maximum of 25 points</p> <p>Only candidates who have obtained a score of 40 or more (out of 70) for their qualifications, CV and research project will be admitted to the interview.</p> <p><b>Interview</b>– up to a maximum of 30 points<br/> The interview will be held online via Gmeet on 12 September 2022, from 9.30 to 19.00.<br/> The link to the meeting room is: <a href="https://meet.google.com/swo-nwrz-itx">https://meet.google.com/swo-nwrz-itx</a></p> <p>The minimum score for eligibility is:<br/> <b>Minimum 40, out of 70, for qualifications, curriculum and research project</b><br/> <b>Minimum 15, out of 30, for the interview</b><br/> <b>Minimum 60, out of 100, as overall score.</b></p> <p>The list of applicants admitted to the interview will be announced via videoconference (<a href="https://meet.google.com/swo-nwrz-itx">https://meet.google.com/swo-nwrz-itx</a>) on 12 September 2022, at 9:30 (Italian time).</p>   |
| Dates of evaluation and exam(s)  | Interview: <b>online via Gmeet</b> ( <a href="https://meet.google.com/swo-nwrz-itx">https://meet.google.com/swo-nwrz-itx</a> )<br><b>The interview will be held on 12 September 2022, from 9.30 to 19.00.</b>   |
| Selection committee              | The composition of the committee will be published after the deadline for application.  |