



| CIVIL ENGINEERING AND ARCHITECTURE | |
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| Cycle | XXXVI |
| Coordinator | Prof. Sandro LONGO Department of Engineering and Architecture email: sandro.longo@unipr.it |
| Duration | 3 years |
| Starting date of the PhD program | 01/11/2020 |
| Partner Institution | <ul style="list-style-type: none">New Jersey Institute of Technology (USA) |
| Thematics | |
| <ul style="list-style-type: none">Infrastructure and Environmental EngineeringStructural and Geotechnical EngineeringArchitecture and Urban Planning | |
| Training Objectives | |
| <p>To develop specialized skills in the following fields:</p> <ol style="list-style-type: none">Infrastructure and Environmental Engineering: civil infrastructures for transport; survey, management, and analysis of land data, control and monitoring of displacements and deformations at all scales; issues related to surface waters and groundwaters;Structural and Geotechnical Engineering: mechanical behaviour of materials, structural components and structures; behaviour of soils and geotechnical structures;Architecture and Urban Planning: theoretical, formal, distributional and functional aspects in architecture; the problems related to methods for survey and to computer-graphics in architecture; issues related to the implementation and the development of urban settlements; historical, artistic, technical and aesthetic themes in the architecture of the past. | |
| Admission requirements | |
| <p>Regardless of age and citizenship, candidates with at least one of the following academic qualifications may apply for admission:</p> <ul style="list-style-type: none">- Laurea specialistica or Laurea magistrale (second cycle master's degree)- Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);- Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program <p>Undergraduate applicants may apply with the obligation to achieve their degree by October 31st 2020.</p> | |
| POSITIONS PUT OUT TO COMPETITION | |
| With Scholarship | 6 |
| TOTAL | 6 |



| Positions with University Scholarship | | |
|--|--|------------------------|
| N° | Funding entity | Research Topic, if any |
| 4 | Scholarships Ministerial funds | --- |
| 1 | Scholarships co-funded by Fondazione Cariparma | --- |
| 1 | Funded by the Department of Engineering and Architecture | --- |
| ADMISSION PROCEDURES | | |
| <p>Assessment of QUALIFICATIONS: up to 70 points (a minimum score of 40 points shall be required to be admitted to the Oral Exam)</p> <p>ORAL EXAM: up to 50 points</p> <p>Minimum score for ELIGIBILITY: 70/120</p> | | |
| Foreign Language | <p>The language for which the fluency must be assessed during the oral examination: ENGLISH. The assessment of knowledge of this language will be oral and will consist in reading and translating a scientific text.</p> | |
| <p align="center">APPLICANTS SHALL TAKE THE EXAM REMOTELY.</p> <p align="center">For further details please refer to the relevant provision laid down in art. 7 of the Call for applications.</p> | | |
| THE INTERVIEW MAY BE HELD ALSO IN ENGLISH | | |
| LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT | | |
| Mandatory documents to be attached to the on-line application | | |
| <ul style="list-style-type: none"> – ANNEX A (art. 5 of the Call for Applications) – Scanned Copy of a valid identification document with photo – Curriculum Vitae et studiorum (art. 4 of the Call for Applications) – Abstract of the second cycle master's degree thesis. Undergraduate applicants may submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces) – Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Call for Applications): <ul style="list-style-type: none"> ○ University that granted the degree ○ Type of degree (first cycle/second cycle/single cycle) ○ Name of the degree program ○ Date of graduation ○ Final mark ○ List of exams and corresponding scores (academic transcript of records) ○ Translation into Italian or English (only for degrees issued in languages other than Italian or English) | | |
| Further qualifications that may be attached to the application, if in possession of the applicant (only qualifications attested by a document drawn up in Italian or in English) | | |
| <ul style="list-style-type: none"> – Research Project: The research project shall consist of a maximum of 3 pages, be written in Italian or in English, on the subject of research specified by the candidate in the application form (ANNEX A), focus on an original | | |



research topic and it shall be structured as follows: introduction of the problem in the scientific context, significance of the problem, expected results, argumentation.

To identify the topic of the aforementioned Project, the Candidate is advised to contact one of the Faculty Board Members for the Thematics specified in the application form. The proposed themes of research within the three Thematics are listed and described on the site https://dia.unipr.it/en/themes_36_Cycle

The Research Project does not represent a constraint with respect to the following choice of the doctoral thesis, which must be defined together with the supervisor and approved by the Faculty Board;

- **Scientific Publications:** Articles on national and international journals, papers presented at conferences or symposia, book chapters etc.

EVALUATION CRITERIA

| QUALIFICATION | EVALUTATION CRITERIA | POINTS |
|---|--|------------------------|
| Curriculum Vitae et studiorum | Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark | Up to 30 points |
| Graduation thesis | Consistency of the Master's Degree thesis with the doctoral program research topics (briefly describe the topics in the curriculum vitae by attaching the abstract of the degree thesis or draft of the thesis approved by the supervisor) | Up to 10 points |
| Research Project | Points relating to the research project on the Thematics specified by the candidate in the online application form: <ul style="list-style-type: none"> ○ Scientific value and originality of the proposal: 10 points ○ description and structure of the proposal: 5 points ○ proposal feasibility: 5 points | Up to 20 points |
| Scientific publications | Articles on national and international journals, papers presented at conferences or symposia, book chapters: a copy of each article must be mandatorily attached to the on-line application | Up to 10 points |
| ORAL EXAMINATION | EVALUATION CRITERIA | POINTS |
| The ORAL EXAM includes the presentation of the research project and is aimed at assessing the candidate's suitability to carry out scientific research activities and general knowledge of the issues related to the PhD programme. | <ul style="list-style-type: none"> ○ knowledge of foreign languages ○ research project presentation ○ general knowledge of issues connected to the PhD course | Up to 50 points |

SCHEDULE OF THE ADMISSION EXAMS

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|------------------|--------------|---|
| ORAL EXAM | DATE | 20 September 2020 (with possible extension in the following days) |
| | TIME | 09:30 am (Italian time) |
| | PLACE | remotely using the Microsoft Teams platform |



OTHER INFORMATIONS

The Oral Exam must be taken in Italian or in English. **If the candidate wishes to take the oral exam in English he/she must attach a formal request to the application form (Form ANNEX A).**

In the application for participation in the competitive examination, the Applicant **must choose and specify only ONE Thematic** (between the 3 possible Thematics), and the Applicant must take the oral exam on the chosen Thematics. During the Oral Exam the candidate must indicate the theme of research of his/her interest among those listed in https://dia.unipr.it/en/themes_36_Cycle

In the case of admission to the PhD programme, the above choice will be binding for the research activity of the winner.

For Applicants who will take the Oral Exam in Italian, knowledge of English will be assessed orally and the test will consist of reading and translating a scientific text.

Foreign Applicants, if they are among the winners of the PhD admission competition, are strongly encouraged to attend an Italian language course. The Faculty Board will recognize the credits based on the level of knowledge acquired.