

**T15005-TRAINEESHIP AT DEPARTMENT OF ENGINEERING AND ARCHITECTURE**

PERIOD: any period

Università di Parma

| <b>TRAINEESHIP INFORMATION</b>               |  |
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| <b>Department/Office</b>                     | Department of Engineering and Architecture   |
| <b>Responsible person for this placement</b> | Prof. Roberto BRIGHENTI<br>Prof. Gabriele TEBALDI  |
| <b>Contact e-mail</b>                        | <a href="mailto:internship@unipr.it">internship@unipr.it</a>   |
| <b>Description of activities</b>             | <p>Nowadays civil engineering is facing new challenges related with the new global economic situation and with climatic changes. It force engineer to identify new design techniques and to use high performances materials; it require more in depth knowledge and new skills and optimization of engineering structures that must be found in a modern and international education program.</p> <p>For the above-mentioned reasons D.I.C.A.T.e A. set an international traineeship program to allow students to do a series of activities to allow the students to apply and to develop their background in the following area:</p> <ul style="list-style-type: none"><li>▪ design and simulations of advanced civil engineering materials,</li><li>▪ design and analysis of advanced structures</li><li>▪ design of hydraulic plants</li><li>▪ design of infrastructures.</li></ul> <p>All these activities are related to ongoing research projects and are composed by theoretical studies and activities in the Department's laboratories.</p> |
| <b>Working language</b>                      | English and Italian (B2-CEFR)  |
| <b>Location</b>                              | Parco Area delle Scienze 181/A   |
| <b>Number of available placements</b>        | 3 students/year  |

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|   |  |
| <b>Duration (2 months minimum- 12 months maximum)</b> | 6 minimum – 12 maximum   |
| <b>Working hours / week</b>                           | Timetable will be decided with the students in agreement with the specific project where they will be involved |
| <b>Period</b>   | Any period   |

|                         |  |
|-------------------------|--|
| <b>Accommodation</b>    | The office supports students in finding accommodation in Parma<br><br>U.O. Accoglienza e Orientamento<br>Università di Parma<br>Vicolo Grossardi 4<br>43125 Parma – Italy<br><br>e-mail <a href="mailto:welcome@unipr.it">welcome@unipr.it</a><br>phone: 0039 0521 904150 / 904632 |
| <b>Internship grant</b> | No financial contribution. Students must apply for a Grant at their home institution/country.  |

**COMPETENCES, SKILLS AND EXPERIENCE REQUIREMENTS**

|                                       |   |
|---------------------------------------|---|
| <b>Competences required</b>           | Mechanics of materials and structures<br>Hydraulic<br>Infrastructures design (road pavements) |
| <b>Degree (Master, PhD, Post Doc)</b> | Master, PhD, Post Doc   |

**DOCUMENTS REQUIRED****Interested students must send by email asap, the following documentation:**

|                            |                         |                              |
|----------------------------|-------------------------|------------------------------|
| <b>Presentation letter</b> | <b>Curriculum Vitae</b> | <b>Academic certificates</b> |
| X                          | X                       | X                            |

**Additional notes**

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The choice of the subject area in which the student will be involved (structure, hydraulic or infrastructures) during his/her stay will be decided on the basis of a preliminary skype interview.

**PLEASE MENTION THE TRAINEESHIP NUMBER WHEN YOU APPLY**