CALL FOR PHD POSITIONS – 34 cycle
PHD PROGRAMME IN COMPUTER SCIENCE

PhD Programme Coordinator
Prof. Marco Grangetto

Department
Computer Science

PhD Programme Length
3 years

PhD web site
http://dott-informatica.campusnet.unito.it/do/home.pl

Course start date
1 October 2018

Departments involved in PhD programme
Computer Science

Positions offered
n. 2 positions with apprenticeship contract (Art. 45 D.lgs. n. 81/2015)

Titles of Research Projects / Research Fields
The list of research projects/research fields is available at the end of this Information Sheet. This list may be updated until the deadline of Call for Admission to PhD positions.

Entrance examinations
Schedule with information on dates and venues of entrance examinations will be published on the websites: http://www.unito.it/ricerca/fare-ricerca-unito/dottorati-di-ricerca and http://en.unito.it/research/phd/phd-programmes, starting from 6th September 2018.

Application fee
Application fee is €50.00 for each application submitted.
Candidates with international qualifications are exempted from paying the application fee.

Application fee deadline: 5th September 2018 (mandatory deadline).
Candidates who do not pay the application fee within the deadline will be excluded from the competition.

1 All additional scholarships and apprenticeship contracts (Legislative Decree no. 81/2015 art.45), which may become available after the publication of this Call, will be announced on the University websites http://www.unito.it/ricerca/fare-ricerca-unito/dottorati-di-ricerca and http://en.unito.it/research/phd/phd-programmes until Call’s deadline.
**Admission procedure**

Assessment of qualifications and interview

**Qualifications to be uploaded on the on-line application**

- Application form (duly signed and including identification document/passport)
- Candidates applying with international qualifications: submit on-line documentation as specified in art. 4 of this Call;
- Candidates applying under condition: Self-declaration (available on the websites of the University or alternatively as per Annex 2 of the call for applications) with degrees from the Bachelor's and Master's Degree with relative marks, CFU and weighted average. For candidates applying under condition of obtaining a second level degree within 31st October 2018, issued by a non-Italian university, please check also art. 5 of the Call for admission to PhD positions.
- Publications (max. 2)
- Letters of reference signed by professors or qualified researchers (max. 2)
- Research project (max 2000 words, bibliography excluded) written in English by the candidate choosing a subject concerning one of the projects offered by the PhD Programme

**Assessment criteria**

<table>
<thead>
<tr>
<th>Assessment of qualifications:</th>
<th>maximum score 100 points</th>
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<tbody>
<tr>
<td>Final grade of Italian Laurea Magistrale/ second cycle degree</td>
<td>maximum score 30 points</td>
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<tr>
<td>110-110L: 10 points</td>
<td>maximum score 10 points</td>
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<tr>
<td>107-109: 9 points</td>
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<tr>
<td>104-106: 8 points</td>
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<tr>
<td>100-103: 6 points</td>
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<td>&lt;=99: 3 points</td>
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or, for candidates applying under condition, weighted average of examinations taken during the Italian Laurea Magistrale /second cycle degree:

greater or equal to 29.0/30: 8 points
from 27.0/30 to 29/30 (excluded): 6 points
from 25.0/30 to 27.0/30 (excluded): 3 points
less than 25/30: 0 points

The weighted average will be considered in the assessment only if the total number of credits not yet awarded is less than 50% of the total number of credits required for graduation.

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<thead>
<tr>
<th>Publications</th>
<th>maximum score 4 points</th>
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<tr>
<td>Max 2 points for each publication (max 2)</td>
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**publications with evidence of acceptance will be assessed**

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<th>Other qualifications</th>
<th>maximum score 2 points</th>
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<tr>
<td>Each additional qualification pertinent with the field of computer science with a recognized scientific value can be awarded maximum 1 point, up to a maximum of 2 points.</td>
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<tr>
<td>Reference letters from professors or qualified researchers (max 2 letters)</td>
<td>maximum score 4 points</td>
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<tr>
<td>Research project</td>
<td>maximum score 10 points</td>
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<td>Minimum threshold for admission to the interview</td>
<td>15 points</td>
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<tr>
<td>Oral interview</td>
<td>Maximum score: 70 points</td>
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<td>Minimum threshold for passing the interview</td>
<td>30 points</td>
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**Further information on examinations:**

**The research project** (max 2000 words, bibliography excluded) elaborated in English by the candidate choosing a title within those mentioned in the PhD Programme. It must focus on the following: a) state of the art of the chosen subject; b) goals of the project; c) innovation with respect to the state of the art. The examining board will evaluate the scientific relevance of the project, the expected goals and the scientific impact of the results.

**The interview**, on request of the candidate and duly authorized by the examining board, may be taken via Skype (art. 8 of the Call).

**Titoli progetti di ricerca/ Titles of research projects**

1) Deep Learning end-to-end systems applied to Natural Language Processing *(Titolo abbinato al posto in apprendistato presso Loquendo S.p.a / research project linked position with apprenticeship contract at Loquendo S.p.a)* (Supervisor: Prof. Rossella Cancelliere)

2) Progettazione e sviluppo di chatbot. *(Titolo abbinato al posto in apprendistato presso CELI s.r.l. / research project linked to position with apprenticeship contract at CELI s.r.l.)* (Supervisor: Luigi Di Caro)