



UNIVERSITÀ DEGLI STUDI DI TORINO

"Annex 1" updated on 22nd June 2020

(The updates and the corrections are highlighted in red colour)

(ANNEX 1) CALL FOR PHD POSITIONS – 36th CYCLE

PHD PROGRAMME IN TECHNOLOGY DRIVEN SCIENCES: TECHNOLOGIES FOR CULTURAL HERITAGE (TECH4CULTURE)¹

PhD Programme Coordinator	Prof. Stefano DE MARTINO
Department	Studi Storici
PhD Programme Length	3 years
PhD website	tech4culture.unito.it
Course start date	1 st October, 2020
Departments involved in PhD programme	History, Chemistry, Earth Sciences, Computer Sciences, Physics, Life Sciences and System Biology

Positions offered²	
n. 4 positions with scholarships, of which n. 1 reserved to candidates with international qualifications	of which: - 4 scholarships are funded by the University of Torino
n.1 position without scholarship	

CALL FOR PHD POSITIONS	
Admission procedure	
Assessment of qualifications, research project and interview	
Qualifications to be uploaded in the online application	
<ul style="list-style-type: none">• CV• Research project• Publications (max. 2)• 2 Reference Letters	
Assessment criteria	Maximum score 100 points

¹ Due to a clerical error, the Annex I of the PhD programme in technology driven sciences: Technologies for cultural heritage (TECH4CULTURE) has been completely updated on 27th April 2020.

² 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 [Dottorati di Ricerca](#) and [PhD](#) until Call's deadline.



Assessment of qualifications	Maximum score 27 points
<p>1) Final grade of Laurea/ second cycle degree (Laurea Magistrale), or First cycle degree for candidates applying under condition)</p> <p>Final grade of Laurea/ second cycle degree (Laurea Magistrale): 110 and lode = 15 points 110 = 14 points 108-109 = 13 points 105-107 = 10 points 100-104 = 7 points < 100 = 5 points</p> <p>For applicants under condition: (Final grade Laurea Triennale and list of examinations taken during the Laurea Magistrale): Final grade (max. 50%): 110 and lode = 7,5 points 110 = 7 points 108-109 = 6 points 105-107 = 5 points 100-104 = 4 points < 100 = 2 points</p> <p>Weighted Average of the exams (max 50%): >29/30 = 7,5 points > 28/30 = 6 points > 27/30 = 5 points < 26,9/30 = 2 points</p> <p>3) For applicant with a foreign degree, the whole CV (Certificate Supplement) will be evaluated</p>	<p>Maximum score 15 points</p>
<p>Publications</p> <p>2 points for each publication (max 2 already published papers will be evaluated; only ISI, or peer review publications)</p>	<p>Maximum score 4 points</p>
<p>Other qualifications:</p> <ul style="list-style-type: none"> • Second/additional master degree: 4 points • Any other pertinent specialising courses: 2 points <p><i>Titles relating to professional skills, not pertinent with the research activity, will not be evaluated</i></p>	<p>Maximum score 8 points</p>
<p>Minimum threshold for admission to the next examination step</p>	<p>14 points</p>



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Research project (1.500 – 3.000 words; the research project shall contain the abstract, the presentation of the project, the most important literature, and the time-plan)	Maximum score 15 points
Minimum threshold for admission to the interview	25 points
Interview	Maximum score 58 points
Minimum threshold for passing the interview	30 points

Titoli progetti di ricerca

Dottorato di Ricerca in TECHNOLOGY DRIVEN SCIENCES: TECHNOLOGIES FOR CULTURAL HERITAGE (TECH4CULTURE)

Titles of research projects

PhD Programme in TECHNOLOGY DRIVEN SCIENCES: TECHNOLOGIES FOR CULTURAL HERITAGE (TECH4CULTURE)

- 1-Development and application of techniques and instrumentations for the analysis of materials in Cultural Heritage / Sviluppo e utilizzo di tecniche e strumentazioni per l'analisi di materiali di interesse nei beni culturali (Alessandro Lo Giudice)
- 2-Methodology of conservation interventions and materials for conservations / Metodologie di interventi conservativi e materiali per la conservazione (tutor: Dominique Scalarone)
- 3-Medium and large-scale facilities techniques and methods for the study of Cultural Heritage materials / Tecniche e metodi impiegati presso medi e grandi laboratori per lo studio di materiali nei beni culturali (tutor: Alessandro Re)
- 4- Geodiversity, History and Cultural Heritage: from assessment to intervention / Geodiversità, Storia e Cultural Heritage: dalla valutazione all'intervento (tutor: Marco Giardino)
- 5-Multimedia Systems and knowledge management for Cultural Heritage/Sistemi multimediali e gestione della conoscenza per il patrimonio culturale (tutor: Vincenzo Lombardo)
- 6- Semantic Knowledge for cultural heritage tagging and documentation /(Conoscenza semantica per il tagging e la documentazione del Cultural Heritage) (tutor: Vincenzo Lombardo)



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- 7- Sampling, Analyzing, Dating Artifacts and Materials for Cultural Heritage / Campionamento, analisi e datazione di reperti e materiali per il Cultural Heritage (Roberto Giustetto)
- 8- Public Archaeology, societal challenges, management of Cultural Heritage / Public Archaeology, cambiamenti sociali, management e sostenibilità del Cultural Heritage (tutor: Stefano De Martino, Vito Messina)
- 9- Cooperation and Synergy investigating past material records / Cooperazione e sinergie nelle ricerche sui materiali del passato (tutor: Monica Gulmini)
- 10- Degradation of cultural heritage: physical and chemical agents (tutor: Eliano Diana, Paola Rizzi)
- 11- Microbial communities in biodeterioration, archaeometry and biorestitution / Ruolo delle comunità microbiche e dei loro metaboliti nel biodeterioramento in archeometria e nel bio-restauro (tutor: Enrica Pessione).