



**CORSO DI DOTTORATO DI RICERCA IN  
“INGEGNERIA CIVILE, AMBIENTALE E MECCANICA” - 36° CICLO  
CONCORSO DI AMMISSIONE**

**DOCTORAL PROGRAMME IN  
CIVIL, ENVIRONMENTAL AND MECHANICAL ENGINEERING – 36th CYCLE  
SELECTION PROCEDURES**

**GRADUATORIA FINALE  
FINAL RANKING LIST**

N. **23** posti, di cui n. **23** coperti da borsa di studio.  
No. **23** positions of which **23** with scholarship.

**Termine per le iscrizioni: 19 settembre 2020**

**Deadline for enrolment: September 19, 2020**

In base a quanto stabilito nell'art.6 del bando “i vincitori saranno tenuti a iscriversi al dottorato su una delle tematiche nelle quali hanno ottenuto l'idoneità e che sarà individuata dalla commissione”.

*Please note that, according to Art. 6 of the call the winners will be required to enrol on one of the topics in which they have obtained the eligibility and which will be identified by the commission.*

**Curriculum A: INGEGNERIA CIVILE E AMBIENTALE / CIVIL AND ENVIRONMENTAL ENGINEERING  
n. 7 posti con borsa di studio di cui 6 su tematica vincolata /no. 7 positions with scholarship of  
which 6 on reserved topics**

<b>Nr.</b>	<b>ID</b>	<b>Punteggio / Score (/100)</b>	<b>Idoneità borse vincolate / Eligible for reserved scholarships</b>	<b>Esito/Outcome</b>	<b>Riserva/ Conditional</b>
1	407281	86		Ammesso/a con Borsa / <i>Admitted with scholarship</i> UNITN	
2	406941	83	A4	Ammesso/a con Borsa / <i>Admitted with scholarship</i> A4	
3	404734	82	A6	Ammesso/a con Borsa / <i>Admitted with scholarship</i> A6	X
4	405192	81	A5	Ammesso/a con Borsa / <i>Admitted with scholarship</i> A5	
5	407408	78	A1, A5	Ammesso/a con Borsa <i>Admitted with scholarship</i> A1	



6	407635	76	A3	Ammesso/a con Borsa <i>Admitted with scholarship</i> A3	
7	409193	73	A2	Ammesso/a con Borsa <i>Admitted with scholarship</i> A2	
8	407793	66	A2	Idoneo/a non ammesso <i>Eligible not admitted</i>	X
9	409269	61	A1	Idoneo/a non ammesso <i>Eligible not admitted</i>	
10	405113	54		Non idoneo <i>not eligible</i>	
11	407159	54		Non idoneo <i>not eligible</i>	
12	408474	52		Non idoneo <i>not eligible</i>	
13	408045	51		Non idoneo <i>not eligible</i>	
14	408017	51		Non idoneo <i>not eligible</i>	
15	403508	50		Non idoneo <i>not eligible</i>	
16	406146	49		Non idoneo <i>not eligible</i>	
17	406734	49		Non idoneo <i>not eligible</i>	
18	409821	48		Non idoneo <i>not eligible</i>	
19	407503	48		Non idoneo <i>not eligible</i>	
20	406978	47		Non idoneo <i>not eligible</i>	



21	408224	47		Non idoneo <i>not eligible</i>	
22	406636	46		Non idoneo <i>not eligible</i>	
23	409395	46		Non idoneo <i>not eligible</i>	
24	405959	45		Non idoneo <i>not eligible</i>	
25	406687	45		Non idoneo <i>not eligible</i>	
26	405965	44		Non idoneo <i>not eligible</i>	
27	408449	44		Non idoneo <i>not eligible</i>	
28	403705	42		Non idoneo <i>not eligible</i>	
29	406929	41		Non idoneo <i>not eligible</i>	
30	407778	38		Non idoneo <i>not eligible</i>	
31	407615	34		Non idoneo <i>not eligible</i>	
32	405198	33		Non idoneo <i>not eligible</i>	

**Curriculum B: MECCANICA, MATERIALI, CHIMICA ED ENERGIA / MECHANICS, MATERIALS, CHEMISTRY AND ENERGY – n. 3 posti con borsa di studio di cui 3 a tematica vincolata / no. 3 positions with scholarships of which 3 on reserved topics**

Nr.	ID	Punteggio / Score (/100)	Idoneità borse vincolate / Eligible for reserved scholarships	Esito/Outcome	Riserva/ Conditional
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1	409662	88	B2	Ammesso/a con Borsa <i>Admitted with scholarship</i> B2	
2	405272	76	B3	Ammesso/a con Borsa <i>Admitted with scholarship</i> B3	
3	403187	73	B1	Ammesso/a con Borsa <i>Admitted with scholarship</i> B1	
4	409226	71	B3	Idoneo/a non ammesso <i>Eligible not admitted</i>	
5	408597	69	B2, B3	Idoneo/a non ammesso <i>Eligible not admitted</i>	
6	408449	65	B3	Idoneo/a non ammesso <i>Eligible not admitted</i>	
7	409755	64	B1	Idoneo/a non ammesso <i>Eligible not admitted</i>	
8	408536	63	B2	Idoneo/a non ammesso <i>Eligible not admitted</i>	
9	404409	62	B1	Idoneo/a non ammesso <i>Eligible not admitted</i>	
10	409667	42		Non idoneo/a <i>not eligible</i>	

**Curriculum C: MODELLAZIONE E SIMULAZIONE / MODELLING AND SIMULATION: n. 9 posti, di cui 8 a tematica vincolata / no. 9 positions of which 8 on reserved topics**

<b>Nr.</b>	<b>ID</b>	<b>Punteggio / Score (/100)</b>	<b>Idoneità borse vincolate / Eligible for reserved scholarship s</b>	<b>Esito/Outcome</b>	<b>Riserva/ Conditional</b>
1	409533	89	C4	Ammesso/a con Borsa <i>Admitted with scholarship</i> C4	
2	403044	88	C2	Ammesso/a con Borsa <i>Admitted with scholarship</i> C2	X



3	403031	86	C1	Ammesso/a con Borsa <i>Admitted with scholarship</i> C1	
4	407496	85	C3	Ammesso/a con Borsa <i>Admitted with scholarship</i> C3	
5	409226	84	C7	Ammesso/a con Borsa <i>Admitted with scholarship</i> C7	
6	404372	83		Ammesso/a con Borsa <i>Admitted with scholarship</i> UNITN	X
7	409775	82	C8	Ammesso/a con Borsa <i>Admitted with scholarship</i> C8	
8	407649	81	C5	Ammesso/a con Borsa <i>Admitted with scholarship</i> C5	X
9	407544	80	C6	Ammesso/a con Borsa <i>Admitted with scholarship</i> C6	X
10	408470	79	C8	Idoneo/a non ammesso <i>Eligible not admitted</i>	
11	407147	77		Idoneo/a non ammesso <i>Eligible not admitted</i>	
12	406970	76	C3	Idoneo/a non ammesso <i>Eligible not admitted</i>	X
13	405257	68	C3	Idoneo/a non ammesso <i>Eligible not admitted</i>	
14	405287	65	C3	Idoneo/a non ammesso <i>Eligible not admitted</i>	X
15	408224	64		Idoneo/a non ammesso <i>Eligible not admitted</i>	
16	408180	58		Non idoneo/a <i>not eligible</i>	
17	403216	58		Non idoneo/a <i>not eligible</i>	
18	404741	58		Non idoneo <i>not eligible</i>	



19	408202	57		Non idoneo/a <i>not eligible</i>	
20	408692	57		Non idoneo/a <i>not eligible</i>	
21	406931	57		Non idoneo/a <i>not eligible</i>	
22	403069	56		Non idoneo/a <i>not eligible</i>	
23	405809	53		Non idoneo/a <i>not eligible</i>	
24	407281	52		Non idoneo/a <i>not eligible</i>	
25	409525	51		Non idoneo/a <i>not eligible</i>	
26	403136	51		Non idoneo/a <i>not eligible</i>	
27	405965	51		Non idoneo/a <i>not eligible</i>	
28	409211	50		Non idoneo/a <i>not eligible</i>	
29	405653	49		Non idoneo/a <i>not eligible</i>	
30	408536	47		Non idoneo/a <i>not eligible</i>	
31	403252	45		Non idoneo/a <i>not eligible</i>	
32	407778	45		Non idoneo/a <i>not eligible</i>	
33	405198	42		Non idoneo/a <i>not eligible</i>	



**Curriculum D: ARCHITETTURA, PIANIFICAZIONE E PAESAGGIO / ARCHITECTURE AND PLANNING, LANDSCAPE: n. 4 posti, di cui 2 con borsa di studio su tematica vincolata / no. 4 positions, of which 2 with scholarship on reserved topics**

<b>Nr.</b>	<b>ID</b>	<b>Punteggio / Score (/100)</b>	<b>Idoneità borse vincolate / Eligible for reserved scholarships</b>	<b>Esito/Outcome</b>	<b>Riserva/ Conditional</b>
1	407518	86	D1	Ammesso/a con Borsa <i>Admitted with scholarship D1</i>	
2	406317	76		Ammesso/a con Borsa <i>Admitted with scholarship UNITN</i>	
3	406527	71		Ammesso/a con Borsa <i>Admitted with scholarship UNITN</i>	
4	409395	65	D2	Ammesso/a con Borsa <i>Admitted with scholarship D2</i>	
5	409560	62		Idoneo/a non ammesso <i>Eligible not admitted</i>	
6	404160	61		Idoneo/a non ammesso <i>Eligible not admitted</i>	
7	406978	60	D2	Idoneo/a non ammesso <i>Eligible not admitted</i>	
8	407035	58		Non idoneo/a <i>not admitted</i>	
9	405809	55		Non idoneo/a <i>not admitted</i>	
10	406929	54		Non idoneo/a <i>not admitted</i>	
11	409165	53		Non idoneo/a <i>not admitted</i>	
12	409711	52		Non idoneo/a <i>not admitted</i>	
13	403508	51		Non idoneo/a <i>not admitted</i>	
14	409667	50		Non idoneo/a <i>not admitted</i>	



15	404409	49		Non idoneo/a <i>not admitted</i>	
16	406623	47		Non idoneo/a <i>not admitted</i>	

I vincitori che nella graduatoria sono indicati come ammessi con “riserva” dovranno conseguire il titolo di studio entro il **31/10/2020** e far pervenire alla Divisione Supporto Corsi di Dottorato e Alta Formazione – Polo Collina ([phd.office-st@unitn.it](mailto:phd.office-st@unitn.it)) **entro il 6 novembre 2020**, a pena di esclusione, il **certificato** (o autocertificazione nel caso di titoli conseguiti in Italia) **di conseguimento del titolo**.

*Successful candidates indicated as “conditional” are expecting to complete their degree by October 31, 2020, and they have to submit to the Science & Technology PhD Office (via email to: [phd.office-st@unitn.it](mailto:phd.office-st@unitn.it)) no later than November 6, 2020, on penalty of exclusion, the degree certificate.*

Borse a tematica vincolata / scholarships reserved for a topic:

## Curriculum A:

A1: "Hydropower generation in the Italian Alpine region under a changing climate" (University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarship)

A2: "Airborne radar technology and entropy theory applied in laboratory and field sites to measure sediment-transport and its impact on bio-sensor activity (CUP E64I19001830001)" (University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarship)

A3: "Novel strengthening techniques for URM structures based on lime-based composites" (University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarship)

A4: "GNSS and SAR for Earth surface and ground characterization in environmental monitoring of water resources" (University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarship)

A5: "Assessment of social and economic impacts caused by natural hazards in mountain regions" (MIUR – Departments of Excellence scholarship)

A6: "Investigating fundamental morphodynamic processes in multi thread-rivers" (MIUR – Departments of Excellence scholarship)

## Curriculum B:

B1: "The energy FLEXibility of enhanced HEAT pumps for the next generation of sustainable buildings (CUP E64I19001180001)" (University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarship)

B2: "Disordered Materials for Advanced Thermoelectric Devices" (University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarship)

B3: "Nanofabrication of multifunctional biomimetic structures inspired by natural organisms" (University of Trento and IIT scholarship)





## **Curriculum C:**

C1: "Semi-implicit and explicit finite volume schemes for incompressible and weakly compressible three-phase flows" (University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarship)

C2: "Novel semi-implicit finite volume schemes for fluid-structure interaction problems related to moving ships in rivers" (University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarship)

C3: "Simulation of turbulent transport and exchange processes in the atmospheric boundary layer over mountain regions (CUP E64I18000170003)" (University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarship)

C4: "Micromechanics & Stability of Materials" (MIUR – Departments of Excellence scholarship)

C5: "Analysis and risk assessment of petrochemical tank farms endowed with innovative metamaterials based on Gaussian process regression" (MIUR – Departments of Excellence scholarship)

C6: "Mechanobiology of coronaviruses uptake across the cell membrane" (MIUR – Departments of Excellence scholarship)

C7: "Nanomechanics of wrinkling" (MIUR – Departments of Excellence scholarship)

C8: "Monitoring-based risk management of civil infrastructure " (University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarship)

## **Curriculum D:**

D1: "Performance-based design and machine learning tools for the energy and indoor living quality optimization in the building design process" (University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarship)

D2: "Reality vs multi-dimensional modelling: landscape and architectural heritage exploration and design (CUP E64I19002500001)" (University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarship)

Trento, 11 settembre 2020 / September 11, 2020