



UNIVERSITÀ
DI TRENTO



PhD SST
Space Science
and Technology

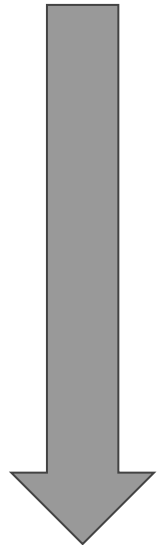
National PhD in Space Science and Technology PhD SST (38,39 → 40th cycle)

Coordinator Professor Roberto Battiston
Physics Department University of Trento

The consortium - Founders

25

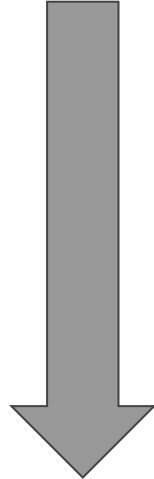
**Universities &
Special Schools**



**Fellowships &
Research
Activity**

8

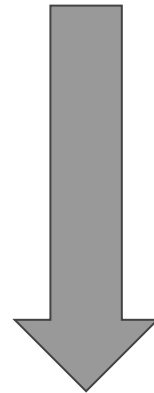
**Public Bodies of
Research**



**Fellowships &
Research
Activity**

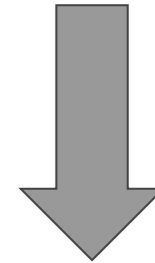
10+

**Private
Companies**



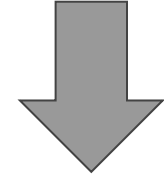
**Fellowships &
Research
Activity**

MUR



**Fellowships
Accreditation
Monitoring**

**Knowledge
Partners**



**Expertise
Advice
Jobs**

**M. Comparini
J.J. Dordain
M. Ferrazzani**

The consortium - Composition

Universities and Special Schools

1. University of Trento
2. University of Torino
3. University of Padua
4. University of Tor Vergata
5. University of Florence
6. University of Milano Statale
7. University of Milano Bicocca
8. University of Calabria
9. University of Bari
10. University of Trieste
11. University of Pavia
12. University of Pisa
13. GSSI
14. SISSA
15. IUSS
16. SSSA
17. University of Salento
18. University of Cagliari
19. University of Ferrara
20. University of l'Aquila
21. University of Palermo
22. University of Brescia
23. Politecnico of Torino
24. University of Siena
25. University of Chieti

Research Institutes

1. CNR
2. INFN
3. INAF
4. INGV
5. INDAM
6. FBK
7. CNIT
8. ASI

Knowledge Partners

National Space Companies

1. **TAS-I**
2. Telespazio
3. EGEOS
4. AVIO
5. **OHB**
6. ARGOTEC
7. SITAEL
8. MECSA
9. CISAS
10. **ALTEC**
11. CIFS
12. ...

Space Agencies and International institutes

1. **ESA**
2. **ASI**
3. **CNES**
4. **EUSPA**
5. **ISU**
6. **ESPI**
7. **IAF**

7 Curricula : the PhD is fully in English

Transversal Education

Pillar 1

Pillar 2

Pillar 3

Pillar 4

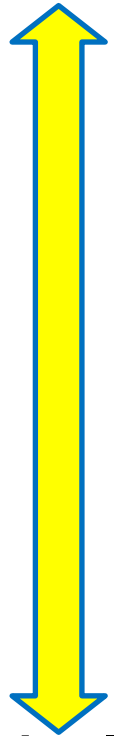
Pillar 5

Pillar 6

Pillar 7

1. **Sun-Earth System:** Remote Sensing, Space Weather, Solar System Exploration, Planetary Protection, Hazards & Mitigations of Extreme Conditions, Data Analysis....
2. **Observations of the Universe:** High Energy and Multi-Messenger, Astro & Particle Physics, Galactic and extra-Galactic Astronomy, Cosmology, GW waves, Data Analysis....
3. **Planetary Science:** Exploration, Environments, ISRU, Data Analysis....
4. **Astrobiology, Habitats, Space Medicine:** Extra-Terrestrial Habitats, Sustainability of Life in Space, Farming, Terraforming, ...
5. **Space Based Radiation Detectors & Optical Systems:** Sensors & Optics, Payload Design, Space Qualification, Simulation...
6. **Satellite Platform Engineering & Technologies:** Avionics, Data Handling, Design, Qualification & Testing, Telecommunications, Digital Twins.....
7. **Space Economy & Diplomacy:** Sustainability, Environment, New Space Economy, Modelization...

Science



Technology

Interdisciplinary Education Courses: Data Science, Statistics and data handling, Artificial Intelligence, Telemetry, Navigation systems, Propulsion systems

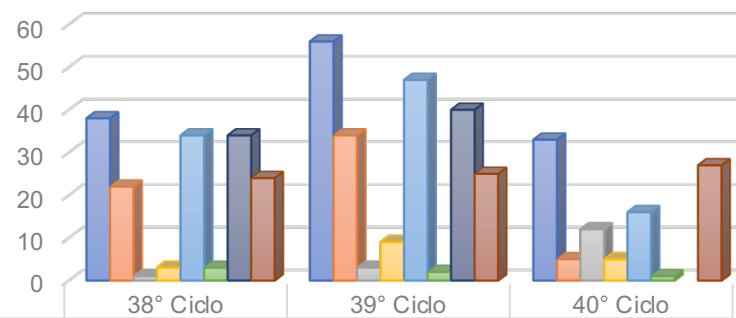


FORMAZIONE

il Dottorato di Ricerca di Interesse Nazionale in Space Science and Technology

Partenariato esteso	38° ciclo	39° ciclo	40° ciclo
Istituzioni partecipanti	27	32	33
<i>Istituti di Istruzione Universitaria Superiore</i>	21	21	16
<i>Enti di Ricerca</i>	5	8	5
<i>Imprese</i>	1	3	12
Componenti collegio	66	70	71
<i>Docenti e ricercatori delle università italiane</i>	57	60	61
<i>Dipendenti EPR</i>	9	10	10

Bando DIN-SST



	38° Ciclo	39° Ciclo	40° Ciclo
Posizioni a Bando	38	56	33
PNRR DD.MM. 351/2022, 118/2023, 629/2024	22	34	5
PNRR DD.MM. 352/2022, 117/2023, 630/2024	1	3	12
Borse UniTrento	3	9	5
Borse su Fondi esterni	34	47	16
Posizioni senza Borsa	3	2	1
Posizioni assegnate	34	40	
Sede operative di assegnazione	24	25	27

Iscritti	38 ciclo	39 ciclo	40 ciclo
Cittadinanza UE	25	34	-
Cittadinanza Extra-UE	8	6	-
Uomini	19	24	-
Donne	14	16	-
Titolo UE	26	35	-
Titolo Extra-UE	7	5	-
Curriculum 1	11	10	4*
Curriculum 2	4	6	3*
Curriculum 3	5	6	4*
Curriculum 4	5	5	5*
Curriculum 5	5	3	6*
Curriculum 6	2	6	10*
Curriculum 7	1	4	5*

*posizioni a bando



FORMAZIONE

il Dottorato di Ricerca di Interesse Nazionale in Space Science and Technology

	CFU medi - 38° ciclo	CFU medi - 39° ciclo	Residuo BdR – 38° Ciclo	Residuo BdR – 39° Ciclo	Mesi di mobilità medi – 38° Ciclo	Mesi di mobilità medi – 39° Ciclo
Curriculum 1	12,86	4,70	4.052,19 €	2.693,67 €	3,0	0,11
Curriculum 2	13,50	3,00	2.567,01 €	2.545,99 €	0,5	0
Curriculum 3	12,80	2,42	3.250,59 €	3.023,85 €	4,6	0
Curriculum 4	12,06	2,30	4.935,18 €	2.926,50 €	3,0	0
Curriculum 5	15,55	0,00	1.791,96 €	2.681,35 €	3,0	0
Curriculum 6	10,75	4,42	3.709,40 €	2.926,73 €	0,0	0
Curriculum 7	0,50	2,75	6.516,00 €	2.880,94 €	6,0	0

	38° ciclo	39° ciclo
Corsi Multidisciplinari	54	32
Corsi Disciplinari	110	109
Seminari Multidisciplinari	3	-
Seminari Specifici	19	12