CICLO 38 - DETTAGLIO BORSE AGGIUNTIVE

Cognitive and Brain Sciences

n. 1 borsa di studio aggiuntiva finanziata dal **Centro Interdipartimentale Mente/Cervello (CIMEC)** e relativa alla tematica: *La neurobiologia della cognizione della numerosità in zebrafish.*

Fisica

2° bando:
n. 1 borsa di studio aggiuntiva finanziata dal **Dipartimento di fisica** e relativa alla tematica:

Quantum annealing in AMO devices.

Ingegneria e Scienza dell'Informazione

1° bando:
Area A: **n. 1 borsa** di studio aggiuntiva finanziata da **DISI-Dip. di Ingegneria e Scienza dell'Informazione** relativa alla tematica*:*
Learning to adapt with Geometric Deep Learning
        n. 1 borsa di studio aggiuntiva finanziata da **FBK-Fondazione Bruno Kessler** relativa alla tematica:
Analysing the effect of counter-narratives on hateful conversations online

Area D: **n. 1 borsa** di studio aggiuntiva finanziata da **DISI-Dip. di Ingegneria e Scienza dell'Informazione** relativa alla tematica*:*
Development of methodologies based on machine learning and artificial intelligence for the automatic analysis of satellite remote sensing images
        n. 1 borsa di studio aggiuntiva finanziata da **EURAC** relativa alla tematica:
Snow cover detection and glacier mass balance estimation with machine learning methods and multi-source satellite data

2° bando:
Area C: **n. 1 borsa** di studio aggiuntiva finanziata da **DISI-Dip. di Ingegneria e Scienza dell'Informazione** relativa alla tematica*:*
HPC-based and FAIR-enabled big data infrastructure for climate change research at extreme-scale

Ingegneria Civile, Ambientale e Meccanica

Area A: **n. 1 borsa** di studio aggiuntiva finanziata da **Dipartimento di Ingegneria Civile, Ambientale e Meccanica** relativa alla tematica:
Water Management of Hypereutrophic shallow lakes.

Innovazione Industriale

n. 1 borsa di studio aggiuntiva finanziata da **FBK-Fondazione Bruno Kessler** in collaborazione con **Gi Group** relativa alla tematica:

Fair and transparent machine learning models for talent selection

n. 2 borse di studio aggiuntive finanziate da **FBK-**Fondazione Bruno Kessler in collaborazione con **Sony Europe B.V.** relative alle tematiche:

Highly efficient, integrated, parallel digital machine learning architectures for imaging systems

Innovative detectors for THz/IR sensing and imaging systems

n. 1 borsa di studio aggiuntiva finanziata da **Università di Trento** in collaborazione con **Huawei Technologies Switzerland AG** relativa alla tematica:

Scalable and parallel tensor algebra programming for irregular applications

n. 1 borsa di studio aggiuntiva finanziata da **Università di Trento** in collaborazione con **Techvisory S.r.l.** relativa alla tematica:

Text mining pipeline for capturing and organizing information from unstructured and heterogeneous text sources, automated semantic analysis and interpretation, with application in various business domains

n. 3 posti senza borsa riservati ai dipendenti di **Huawei Technologies Duesseldorf GbmH** relativi alle tematiche:

Security & Trust - Connected, Cooperative, Automated Mobility

System security

Digital and Data Sovereignty: secure, controlled, and trustworthy data exchange

n. 1 posto senza borsa riservato ai dipendenti di **Iveco Defence Vehicles S.p.A.** relativo alla tematica:

Cybersecurity validation of security architectures for vehicles for defence and off-road applications

---

Scienze Biomolecolari

n. 5 borse di studio aggiuntive finanziate da **CIBIO** relative alle tematiche:

Una strategia innovativa per contrastare la degenerazione del fegato grasso a carcinoma epatocellulare

Sviluppo di inibitori di proteine leganti RNA in ambito tumorale

Caratterizzazione molecolare delle vescicole extracellulari isolate dal plasma di pazienti con cancro alla prostata

Sviluppo di nuovi strumenti di editing del genoma e dell'epigenoma attraverso una pipeline metagenomico-sperimentale

RNA circolare: ruoli nello sviluppo dei circuiti neuronali

n. 1 borsa di studio aggiuntiva finanziata da **FBK-Fondazione Bruno Kessler** relativa alla tematica:

Causal Deep Learning, beyond predictive models for medicine

n. 1 borsa di studio aggiuntiva finanziata da **IMMAGINA BioTechnology Srl** relativa alla tematica:

Next-gen of RNA- and translation based biomarkers of Spinal Muscular Atrophy

---

Scienze Agroalimentari e Ambientali

n. 1 borsa di studio aggiuntiva finanziata da **FBK-Fondazione Bruno Kessler** relativa alla tematica:

Downscaling and upscaling of fields of atmospheric variables from modeling and observations by means of Artificial Intelligence techniques

---

Space Science and Technology

Curriculum 2**: n. 1 borsa** di studio aggiuntiva finanziata da **FBK-Fondazione Bruno Kessler** relativa alla tematica:

Deep Learning for Time-transient phenomena in the ionosphere and correlation with seismo-induced events

---

Sustainability: Economics, Environment, Management and Society (SUSTEEMS)

n. 1 borsa di studio aggiuntiva finanziata da Eurac Research e relativa alla tematica:

"Big and geospatial data for assessing the energy sustainability of systems and territories".

DETAIL ON ADDITIONAL GRANTS 38ᵗʰ CYCLE

Cognitive and Brain Sciences

n. 1 additional grant financed by **Cimec - Center for Mind/Brain Sciences** on the following topic:
Neurobiology of number cognition in zebrafish.

Physics

n. 1 additional grant financed by **Department of Physics** on the following topic:
Quantum annealing in AMO devices.

Information Engineering and Computer Science

1° call:
Area A: **n. 1 additional grant** financed by **DISI- Department of Information Engineering and Computer Science** on the topic:
Learning to adapt with Geometric Deep Learning
        n. 1 additional grant financed by **FBK-Fondazione Bruno Kessler** on the topic:
Analysing the effect of counter-narratives on hateful conversations online

Area D: **n. 1 additional grant** financed by **DISI- Department of Information Engineering and Computer Science** on the topic:
Development of methodologies based on machine learning and artificial intelligence for the automatic analysis of satellite remote sensing images
        n. 1 additional grant financed by **EURAC** on the topic:
Snow cover detection and glacier mass balance estimation with machine learning methods and multi-source satellite data

2° call:
Area C: **n. 1 additional grant** financed by **DISI- Department of Information Engineering and Computer Science** on the topic:
HPC-based and FAIR-enabled big data infrastructure for climate change research at extreme-scale.

Civil, Environmental and Mechanical Engineering

Area A: **n. 1 additional grant** financed **Department of Civil, Environmental and Mechanical Engineering** on the topic:
Water Management of Hypereutrophic shallow lakes.

Industrial Innovation

n. 1 additional grant financed by **FBK-Fondazione Bruno Kessler** in collaboration with **Gi Group** on the topic:
Fair and transparent machine learning models for talent selection

n. 2 additional grants financed by **Fondazione Bruno Kessler** in collaboration with **Sony Europe B.V.** on the topics:

Highly efficient, integrated, parallel digital machine learning architectures for imaging systems
Innovative detectors for THz/IR sensing and imaging systems

n. 1 additional grant financed by **Università di Trento** in collaboration with **Huawei Technologies Switzerland AG** on the topic:

Scalable and parallel tensor algebra programming for irregular applications

n. 1 additional grant financed by **Università di Trento** in collaboration with **Techvisory S.r.l.** on the topic:

Text mining pipeline for capturing and organizing information from unstructured and heterogeneous text sources, automated semantic analysis and interpretation, with application in various business domains

n. 3 positions without scholarship reserved to employees of at **Huawei Technologies Duesseldorf GbmH** on the topics:

Security & Trust - Connected, Cooperative, Automated Mobility
System security
Digital and Data Sovereignty: secure, controlled, and trustworthy data exchange

n. 1 positions without scholarship reserved to employees at **Iveco Defence Vehicles S.p.A.** on the topic:

Cybersecurity validation of security architectures for vehicles for defence and off-road applications

---

Biomolecular Sciences

n. 5 additional grants financed by **CIBIO** on the topics:

An innovative strategy to counteract the degeneration of NAFLD to hepatocellular carcinoma
Development of RNA binding protein inhibitors in cancer
Transcriptional and genomic characterization of extracellular vesicles (EVs) isolated from prostate cancer patients' plasma
Development of novel genome and epi-genome editing tools through a metagenomic-experimental pipeline
Circular RNA in neuronal circuit assembly

n. 1 additional grant financed by **FBK-Fondazione Bruno Kessler** on the topic:

Causal Deep Learning, beyond predictive models for medicine

n. 1 additional grant financed by **IMMAGINA BioTechnology Srl** on the topic:

Next-gen of RNA- and translation based biomarkers of Spinal Muscular Atrophy

---

Agrifood and Environmental Sciences

n. 1 additional grant financed by **FBK-Fondazione Bruno Kessler** on the topic:

Downscaling and upscaling of fields of atmospheric variables from modeling and observations by means of Artificial Intelligence techniques

---

Space Science and Technology

Curriculum 2**: n. 1 additional grant** financed by **FBK-Fondazione Bruno Kessler** on the topic:

Deep Learning for Time-transient phenomena in the ionosphere and correlation with seismo-induced events

---

Sustainability: Economics, Environment, Management and Society (SUSTEEMS)

n. 1 additional grant financed by Eurac Research on the topic:

" Big and geospatial data for assessing the energy sustainability of systems and territories ".