UNIVERSITÀ DEGLI STUDI DI BERGAMO | Area Risorse Umane

Servizio Personale TA e collaboratori

CHANCELLOR'S DECREE

Data that can be deduced from the registration in the protocol:
Repertoire Number, Protocol Number, Title,
Class File Attachments and References

Object: Correction of the contents of the annex A relating the selection code n. 4 of the public selection based on qualifications and interview for the awarding of no. 21 Experienced grants for conducting research pursuant to art. 22 of law no. 240/2010 at the Departments of University of Bergamo - PICA code 23AR029

THE CHANCELLOR

HAVING SEEN your DR rep. n. 816/2023 of 20 November 2023 announcing the public selection based on qualifications and interview for the awarding of no. 21 Experienced grants for conducting research pursuant to art. 22 of law no. 240/2010 at the Departments of University of Bergamo - PICA code 23AR029;

HAVING ACKNOWLEDGED that following the publication, the need to modify Annex A of project no. was identified 4, as per the emergency decree prot. No. 215856 of 04.12.2023 from the Director of the Department of Economic Sciences;

HAVING therefore recognized the need to modify the aforementioned Annex A;

RECOGNIZED in any case the need to guarantee the widest possible participation in the aforementioned selection by extending the deadline for submitting applications for a further 15 days;

CONSIDERED therefore to set the new deadline at 12.00 (Italian time) on 05 January 2024, acknowledging that the requirements for participation in the selection must be met on the new deadline date, 05 January 2024;

GIVEN the Statute of the University of Bergamo issued with D.R. rep. n. 570/2023 of 01.08.2023, in particular art. 16 paragraph 1;

DECREES

Article 1

For all that stated in the introduction, in the context of the selection announced with DR rep. n. 816/2023 of 20 November 2023 announcing the public selection based on qualifications and interview for the awarding of no. 21 Experienced grants for conducting research pursuant to art. 22 of law no. 240/2010 at the Departments of University of Bergamo - PICA code 23AR029, the changes have been inserted as per the emergency decree prot. No. 215856 of 04.12.2023 from the Director of the Department of Economic Sciences and to postpone the deadline for submitting applications for admission from 12.00 (Italian time) on 21.12.2023 to 12.00 (Italian time) on 05.01.2023.

Article 2

The statement of the grant identified with code 6 of the aforementioned selection attached to this Decree fully replaces the one included in DR 816/2023 of 20.11.2023;

Article 3

It is acknowledged that, pursuant to art. 2 the requirements prescribed for participation in the selection must be met on the new deadline for submitting the application for admission to the selection, by 05.01.2024.

Article 4

The current decree is available on the website of the University of Bergamo www.unibg.it under the specially devoted section *"Concorsi e selezioni-Assegni. Borse e contratti di ricerca-Assegni di ricerca"*

Bergamo, *as per protocol registration*

THE CHANCELLOR
Documento firmato digitalmente ai sensi
dell'art. 24 del D. Lgs. 82/200

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<div align="right">**ANNEX A**</div>

RESEARCH PROJECT – CODE 4

"Space-time graph convolutional neural networks (ST-GCN): learning and predicting time-varying graph relationships with applications to the air transportation sector."

Research structure: Department of Economics
Department Resolution: 19.09.2023

Resolution of the Academic Senate: 24.07.2023
Resolution of the Board of Directors: 26.07.2023

Gross annual amount: € 25.000,00
Financial coverage:
project code ASSEGNI2324EXP – CUP: F53C23000190005

Duration of the grant: 24 months

Scientific Area: 01 - Mathematics and informatics
Competition sector: 01/B1 - Informatics
Scientific disciplinary sector: INF/01 - Informatics

Scientific Director: Prof. Stefano Coniglio

Entry requirement:
Dottorato di ricerca in Area CUN 01 - Scienze Matematiche e Informatiche o in area CUN 13 Scienze economiche e statistiche

Knowledge of the language:
Italian, English

Additional qualifications evaluated by the Commission:
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Interview schedule:
The interview will ascertain the applicant's qualifications, knowledge of the English language, and expertise in the project's subject matter, with a focus on the areas of neural networks, deep learning, and machine learning.

Description of the research project:
The project aims at extending the theory and practice of spectral Graph-Convolutional Neural Networks (GCNs), of the underlying convolution operator, and of the related graph Laplacian to the case of dynamic (time-varying) graphs - graphs whose topology and nodal/edge information evolves dynamically over time. Among others, the project will also see the prediction of air traffic as its key practical case study. The successful postdoctoral researcher will work on the theoretical aspects of the project as well as on its implementation in machine-learning frameworks such as PyTorch and TensorFlow.

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