IL PRESENTE ALLEGATO COSTITUISCE UNO SCHEMA-TIPO, NEL QUALE SONO INDICATE ALCUNE VOCI A MERO TITOLO ESEMPLIFICATIVO, PERTANTO PUO' ESSERE MODIFICATO/INTEGRATO DAL CANDIDATO ADATTANDOLO ALLE PECULIARITÀ DELLA PROPRIA ATTIVITÀ SCIENTIFICO-PROFESSIONALE

ALL. B

procedura selettiva di chiamata per n. 1 posto di **Ricercatore a tempo determinato - Tipologia A** presso il Dipartimento di Informatica, Facoltà di Ingegneria dell'Informazione, Informatica e Statistica, Settore Scientifico-disciplinare INF/01, Settore concorsuale 01/B1 di cui al bando emanato con PROT. N. 117 DEL 20.01.2023 – CLASS. VII/I REPERTORIO N. 24/2023 con avviso pubblicato sulla G.U. – IV serie speciale n. 5 in data 20-01-2023, codice concorso 2023RTDAPNRR010

# NOME COGNOME
# Curriculum Vitae
# Ai Fini Della Pubblicazione

Place Rome
Date 03/02/2023

## Part I – General Information

| | |
|---|---|
| Full Name | Indro Spinelli |
| Date of Birth | |
| Place of Birth | |
| Citizenship | |
| Permanent Address | |
| Mobile Phone Number | |
| E-mail | |
| Spoken Languages | Italian, English |

## Part II – Education

| Type | Year | Institution | |
|---|---|---|---|
| Bachelor Degree | 2017 | Sapienza University of Rome | 109/110<br>Thesis: PLVS: An Open-Source RBG-D and Stereo SLAM System |
| Master Degree | 2019 | Sapienza University of Rome | 110 cum laude/110<br>Thesis: Graph Neural Networks for Missing Data Imputation |
| PhD | 2023 | Sapienza University of Rome | Thesis: Towards Trustworthy Graph Neural Networks |
| Visiting PhD | 2022 | UiT The Arctic University of Norway | Supervisor: Prof. Filippo Maria Bianchi |

**Part III – Appointments**

| Start | End | Institution | Position |
|---|---|---|---|
| 15/11/22 | Ongoing | CINI | Researcher |
| 06/12/22 | 05/02/23 | CINI | Collaborator |
| 27/09/21 | 26/11/21 | CINI | Collaborator |

**Part IV – Teaching experience**

| Year | Institution | Lecture/Course |
|---|---|---|
| 2022 | LUISS Guido Carli | Artificial Intelligence and Machine Learning |
| 2022 | LUISS Guido Carli | Introduction to computer programming |

**Part V - Society memberberships, Awards and Honors**

| Year | Title |
|---|---|
| 2018-Ongoing | IEEE Member |
| 2018 | Sapienza University Honors Program |

**Part VI – Research Activities**

| Keywords | Brief Description |
|---|---|
| Explainability | My work focused on the study of trustworthy deep-learning algorithms for graph-structured data. For example, we assessed their robustness against attacks and avoided any advantage or disadvantage against minorities during inference. Finally, we developed models whose decision processes humans can easily understand. |
| Fairness | |
| Artificial Intelligence | |
| Graph Neural Networks | |

**Part VII– Summary of Scientific Achievements**

| Product type | Number | Data Base | Start | End |
|---|---|---|---|---|
| Papers [international] | 6 | Scopus | 2020 | 2023 |
| Book chapter | 1 | Scopus | 2020 | 2023 |

| | |
|---|---|
| Total Impact factor | 51,51 |
| Total Citations | 50 |
| Average Citations per Product | 8,33 |
| Hirsch (H) index | 3 |
| Normalized H index* | 1 |

*H index divided by the academic seniority.

**Part VIII– Selected Publications**

**Fairdrop: Biased edge dropout for enhancing fairness in graph representation learning** - Spinelli, Indro; Scardapane, Simone; Hussain, Amir; Uncini, Aurelio - IEEE Transactions on Artificial Intelligence – 2022 - 0

**Re-identification of objecs from aerial photos with hybrid Siamese neural networks** - Devoto, Alessio; Spinelli, Indro; Murabito, Francesca; Chiovoloni, Fabrizio; Musmeci, Riccardo; Scardapane, Simone - IEEE Transactions on Industrial Informatics – 2022 - 0

**A Meta-Learning Approach for Training Explainable Graph Neural Networks** - Spinelli, Indro; Scardapane, Simone; Uncini, Aurelio - IEEE Transactions on Neural Networks and Learning Systems – 2022 – 0

**Adaptive propagation graph convolutional network** - Spinelli, Indro; Scardapane, Simone; Uncini, Aurelio - IEEE Transactions on Neural Networks and Learning Systems - 2021 - 13

**Distributed training of graph convolutional networks** - Simone, Scardapane; Indro, Spinelli; Paolo, Di Lorenzo - IEEE Transactions on Signal and Information Processing over Networks - 2021 - 7

**Efficient data augmentation using graph imputation neural networks** - Spinelli, Indro; Scardapane, Simone; Scarpiniti, Michele; Uncini, Aurelio - Progresses in Artificial Intelligence and Neural Systems - 2021 - 1

**Missing data imputation with adversarially-trained graph convolutional networks** - Spinelli, Indro; Scardapane, Simone; Uncini, Aurelio - Neural Networks Elsevier – 2020 - 30