Preface to the Proceedings of the 1st International Workshop on Education for Artificial Intelligence (edu4AI 2024)

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Abstract

The goal of the workshop is to establish a forum for researchers and professionals interested in understanding, envisioning, and discussing the challenges and opportunities of AI awareness by promoting Education on Artificial Intelligence. Possible initiatives include, but are not limited to, the introduction of new methodologies, educational pathways, and AI literacy educational activities.

This workshop aims to establish an annual event, bringing together researchers and practitioners, strengthen collaborations and discussing advancement in the area as well as new challenges and opportunities.

Keywords

Education, Artificial Intelligence, AI Literacy

1. Preface

In recent years, Artificial Intelligence has become pervasive in everyday life in many different environments (homes, offices, cities, etc). The availability of intuitive and easy-to-use software tools, libraries, and technologies also opened the use of AI-based solutions to untrained people, whose background is often far from an understanding of algorithms, leaving room for far-fetched intuitions. As a result, everyone comes into contact with such technologies, from children to elderly people, who are generally very attracted to them. However, these solutions can be an opportunity and also a threat if not properly understood and managed. Promoting awareness of the mechanisms, opportunities, and weaknesses of AI is a right of people, and it is crucial to equip them so that they can take advantage of it and not be unconsciously controlled by it.

The goal of this workshop is to establish a forum for researchers and professionals interested in understanding, envisioning, and discussing the challenges and opportunities of AI awareness by promoting education for Artificial Intelligence, promoting aspects such as methodologies, educational pathways, and AI literacy.

The topics of interest for edu4AI were:

- Challenges and Opportunities in Education for AI.
- Leveraging online platforms for widespread AI Education.
- Innovative Education Techniques and methodologies to support AI Education.

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- Hands-on research initiatives to support AI awareness and comprehension.
- Program development for Educators.
- Resources and techniques to explain AI in simple terms.
- AI Literacy kits and educational games.
- Educational tools and resources for correcting AI misconceptions.
- Case studies on AI Literacy courses for elderly people.
- Domain-specific threats due to AI biases and educational solutions to overcome them.
- Education on AI-Ethical aspects.
- Training programs to convey AI awareness.
- Teaching Methodologies.

Research and reports on the practical applications of the above topics in domain-specific contexts (such as in healthcare, K-12 and higher education systems, finance, Lifelong Learning, Adult Education, and such like) were encouraged.

edu4AI accepted thirteen contributions.

2. Organization and committees

The organizers and program chairs of the workshop were:

- Elia Marengo, Università degli Studi di Torino, Torino, Italy
- Michela Ponticorvo, Università "Federico II" di Napoli, Napoli, Italy
- Manuel Striani, Università del Piemonte Orientale, Alessandria, Italy

The program committee members were:

- Alberto Monge Roffarello, Politecnico di Torino, Italy
- Alessandra Melonio, Università di Venezia, Italy
- Antonio Lieto, Università degli Studi di Salerno e CIIT Lab, Italy
- Francesca Martignone, Università del Piemonte Orientale and Teaching and Learning Center, Italy
- Giuliana Franceschinis, Università del Piemonte Orientale and Teaching and Learning Center, Italy
- Maria Luongo, Università "Federico II" di Napoli, Italy
- Massimo Donini, Università degli Studi di Torino, Italy
- Matteo Baldoni, Università degli Studi di Torino, Italy
- Raffaella Esposito, Università "Federico II" di Napoli, Italy
- Roberto Micalizio, Università degli Studi di Torino, Italy
- Rossana Damiano, Università degli Studi di Torino, Italy
- Sara Capecchi, Università degli Studi di Torino, Italy
- Stefano Ferilli, Università di Bari, Italy
- Stefano Tedeschi, Università della Valle d'Aosta – Université de la Vallée d'Aoste, Italy

Edu4AI website
For more details, please visit our website: https://edu4ai.di.unito.it/