

AIxEDU 2024

Artificial INtelligent Systems in Education 2024

Proceedings of the Second International Workshop on Artificial INtelligent Systems in Education co-located with 23rd International Conference of the Italian Association for Artificial Intelligence (AIxIA 2024)

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Summary: There were 32 papers submitted for peer-review to this workshop. Out of these, 16 papers were accepted for this volume, 15 as regular papers and 1 as short papers.

Paper Session 1: AI in Teaching and Learning Practices

- [Enhancing Instructional Design: The Impact of CONALI Ontology and ChatGPT in Primary Education Training](#)
Dario Lombardi, Luigi Traetta, Antonio Maffei, Primož Podržaj
- [Generative AI for Teaching Latin and Greek in High School](#)
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- [Fostering Metacognitive Skills in Programming: Leveraging AI to Reflect on Code](#)
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- [Enhancing Educational Outcomes and Well-being through Technology-Supported Object-Based Learning: The RESTART Project at the University of Tor Vergata \(short paper\)](#)
Antonella Poce, Carlo De Medio, Maria Rosaria Re

Paper Session 2: AI in Assessment and Evaluation

- [EULER: Fine-Tuning a Large Language Model for Socratic Interactions](#)
Giulia Bonino, Gabriele Sanmartino, Giovanni Gatti Pinheiro, Paolo Papotti, Raphaël Troncy, Pietro Michiardi
- [Large Language Models for the Assessment of Students' Authentic Tasks: A Replication Study in Higher Education](#)
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- [Teacher-AI Interaction in the Selection of Target Texts](#)
Pier Giuseppe Rossi, Lorella Giannandrea, Francesca Gratani, David Scaradozzi, Laura Screpanti

Paper Session 3: AI in Educational Systems, Data Analysis, and Challenges

- [Co-Designing Media Education Strategies: A Workshop on AI and Information Literacy](#)
Maria Ranieri, Stefano Cuomo, Gabriele Biagini
- [From Training KPIs to Learning KPIs: Ensuring Effectiveness in Learning Processes Through Predictive Analytics and Data-Based Tutoring Actions](#)
Daniela Pellegrini, Mario Santoro, Sara Zuzzi
- [Does Time Matter in Analyzing Educational Data? - A New Dataset for Streaming Learning Analytics](#)
Gabriella Casalino, Giovanna Castellano, Gianluca Zaza
- [NoVAGraphS: Towards an Accessible Educational-Oriented Dialogue System](#)
Michael Oliverio, Margherita Piroi, Daniele De Giorgi, Pier Felice Balestrucci, Carola Manolino, Alessandro Mazzei, Luca Anselma, Cristian Bernareggi, Marina Serio, Cristina Sabena, Tiziana Armano, Sandro Coriasco, Anna Capietto
- [Evolution of LMS Design and Implementation in the Age of AI and Large Language Models](#)
Andrea Molinari, Simone Sandri