

ai in education conference

AI in Education Conference: Revolutionizing Learning Through Technological Advancement

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Abstract: This article delves into the significance and relevance of AI in education conferences, exploring the rapidly evolving landscape of artificial intelligence in the educational sector. We analyze the key themes, benefits, challenges, and future implications of integrating AI into teaching and learning, emphasizing the crucial role these conferences play in shaping the future of education.

1. The Rise of AI in Education Conferences: A Necessary Dialogue

The integration of artificial intelligence (AI) into education is no longer a futuristic fantasy; it's a rapidly unfolding reality. The proliferation of AI-powered tools, from intelligent tutoring systems to automated grading platforms, is transforming how we teach and learn. This transformation necessitates a focused and collaborative environment for educators, researchers, and technology developers to share knowledge, address challenges, and collectively chart a course for responsible AI implementation in education. This is precisely the role played by AI in education conferences. These events serve as crucial hubs for disseminating best practices, showcasing innovative technologies, and fostering a shared understanding of the ethical and pedagogical implications of integrating AI into classrooms worldwide. The sheer number of conferences dedicated to this topic demonstrates the growing recognition of AI's transformative potential and the need for informed discussion.

2. Key Themes Explored at AI in Education Conferences

AI in Education conferences typically encompass a wide range of themes, reflecting the multifaceted nature of AI's impact on education. Some recurring themes include:

Personalized Learning: AI algorithms can analyze student data to tailor learning experiences to individual needs and learning styles, maximizing engagement and improving outcomes. Conferences showcase platforms that utilize AI for personalized learning paths, adaptive assessments, and targeted interventions.

Intelligent Tutoring Systems (ITS): ITS leverage AI to provide students with individualized support and feedback, acting as virtual tutors that adapt to their progress and challenges. Conferences offer demonstrations and discussions on the effectiveness and limitations of different ITS.

Automated Assessment and Feedback: AI can automate the grading of objective assessments, freeing up educators' time for more personalized instruction. Conferences explore the accuracy and fairness of automated grading systems and the potential for AI to provide more nuanced and insightful feedback.

Accessibility and Inclusivity: AI has the potential to improve accessibility for students with disabilities, providing tools for personalized support and communication. Conferences address how AI can create more inclusive learning environments.

Teacher Training and Professional Development: Effective AI integration requires well-trained educators. Conferences address the need for ongoing professional development programs that equip teachers with the skills and knowledge to effectively utilize AI tools.

Ethical Considerations and Data Privacy: The use of AI in education raises ethical concerns about data privacy, algorithmic bias, and the potential for misuse. Conferences dedicate sessions to addressing these critical issues.

The Future of Work and Skills Development: AI is reshaping the job market, making it crucial for education systems to equip students with the skills needed to thrive in an AI-driven world.

Conferences explore how AI can be used to develop future-ready skills.

3. Benefits of Attending an AI in Education Conference

Attending an AI in education conference offers numerous benefits for educators, researchers, and technology developers:

Networking Opportunities: Conferences provide opportunities to connect with leading experts, researchers, and practitioners in the field, fostering collaboration and knowledge sharing.

Access to Cutting-Edge Research: Conferences showcase the latest research and innovations in AI-powered education, keeping attendees abreast of the latest developments.

Exposure to New Technologies: Conferences offer demonstrations and presentations of innovative AI tools and platforms, enabling attendees to explore potential applications in their own settings.

Professional Development: Conferences provide valuable professional development opportunities, enhancing attendees' understanding of AI's potential and its effective integration into teaching and learning.

Influence on Policy and Practice: Conferences can influence educational policy and practice by bringing together key stakeholders to discuss the challenges and opportunities of AI in education.

4. Challenges and Concerns Regarding AI in Education

Despite the significant potential of AI in education, several challenges and concerns need to be addressed:

Data Privacy and Security: The use of student data raises concerns about privacy and security, requiring robust data protection measures.

Algorithmic Bias: AI algorithms can perpetuate existing biases if not carefully designed and implemented, potentially leading to inequitable outcomes.

Teacher Training and Support: Effective AI integration requires adequate teacher training and ongoing support to ensure proper implementation and effective use.

Cost and Accessibility: The cost of AI tools and infrastructure can be a barrier to adoption, particularly in under-resourced schools and communities.

Ethical Considerations: The ethical implications of using AI in education need to be carefully considered, ensuring that AI is used responsibly and ethically.

5. The Future of AI in Education Conferences

AI in education conferences will continue to play a vital role in shaping the future of education. As AI technology continues to evolve, these conferences will need to adapt to reflect the latest advancements and address emerging challenges. We can expect to see an increased focus on:

Explainable AI (XAI): Developing AI systems that can explain their reasoning and decisions to build trust and transparency.

Human-AI Collaboration: Exploring effective ways for humans and AI to collaborate in teaching and learning.

AI for Social-Emotional Learning: Utilizing AI to support the development of social-emotional skills in students.

Global Collaboration: Fostering international collaborations to address the global challenges and opportunities of AI in education.

6. Conclusion

AI in education conferences are essential platforms for driving innovation, collaboration, and informed decision-making in the rapidly evolving field of AI-powered education. By bringing together educators, researchers, and technology developers, these conferences facilitate the exploration of AI's potential benefits while also addressing the associated ethical and practical challenges. The future of education hinges on a responsible and equitable integration of AI, and these conferences are instrumental in ensuring that this transformation is successful and benefits all learners.

7. FAQs

1. What are the most common topics discussed at AI in Education conferences? Common topics include personalized learning, intelligent tutoring systems, automated assessment, accessibility, ethical considerations, teacher training, and data privacy.

1. Who should attend an AI in Education conference? Educators, researchers, technology developers, policymakers, and anyone interested in the intersection of AI and education.

1. What are the benefits of attending an AI in education conference? Networking, access to cutting-edge research, exposure to new technologies, and professional development opportunities.
1. What are the potential drawbacks of using AI in education? Algorithmic bias, data privacy concerns, cost, accessibility issues, and the need for teacher training.
1. How can I find an AI in Education conference near me? Search online for "AI in education conference" along with your location or region.
1. Are there any free or low-cost AI in education conferences? Some conferences offer scholarships or reduced rates for certain participants. Check individual conference websites for details.
1. What are some of the key ethical considerations surrounding AI in education? Data privacy, algorithmic bias, transparency, accountability, and ensuring equitable access.
1. How can AI help personalize the learning experience? AI can analyze student data to tailor learning pathways, provide personalized feedback, and offer targeted support.
1. What is the role of teachers in an AI-driven classroom? Teachers remain central to the learning process, guiding students, providing emotional support, and integrating AI tools effectively.

8. Related Articles

1. "The Impact of AI on Personalized Learning: A Case Study": This article presents a detailed case study examining the effectiveness of AI-powered personalized learning platforms in improving student outcomes.

1. "Ethical Considerations in the Design and Implementation of AI-Powered Educational Tools": This article explores the ethical implications of using AI in education, focusing on issues of data privacy, algorithmic bias, and transparency.
1. "Teacher Training and Professional Development for the Age of AI in Education": This article examines the need for effective teacher training programs to equip educators with the skills to use AI effectively in their classrooms.
1. "The Future of Assessment in an AI-Driven World": This article explores the potential of AI to transform assessment practices, focusing on automated feedback, adaptive testing, and the use of AI for formative assessment.
1. "Addressing Algorithmic Bias in AI-Powered Educational Systems": This article focuses on the issue of algorithmic bias in AI-powered educational tools and strategies to mitigate this risk.
1. "AI and Accessibility in Education: Creating Inclusive Learning Environments": This article examines the potential of AI to improve accessibility for students with disabilities, creating more inclusive learning environments.
1. "The Role of AI in Developing 21st-Century Skills": This article explores how AI can be used to develop essential skills for students to thrive in the 21st-century workforce.
1. "AI in Education: A Global Perspective": This article provides a global overview of AI adoption in education, examining trends and challenges across different countries and regions.
1. "Funding and Investment in AI Education Technologies": This article analyzes funding trends and investment opportunities in the field of AI-powered education technology.

Roberto Martínez-Maldonado, H. Ulrich Hoppe, Rose Luckin, Manolis Mavrikis, Kaska Porayska-Pomsta, Bruce McLaren, Benedict du Boulay, 2018-06-20 This two volume set LNAI 10947 and LNAI 10948 constitutes the proceedings of the 19th International Conference on Artificial Intelligence in Education, AIED 2018, held in London, UK, in June 2018. The 45 full papers presented in this book together with 76 poster papers, 11 young researchers tracks, 14 industry papers and 10 workshop papers were carefully reviewed and selected from 192 submissions. The conference provides opportunities for the cross-fertilization of approaches, techniques and ideas from the many fields that comprise AIED, including computer science, cognitive and learning sciences, education, game design, psychology, sociology, linguistics as well as many domain-specific areas.

ai in education conference: *Artificial Intelligence in Education* Carolyn Penstein Rosé, Roberto Martínez-Maldonado, H. Ulrich Hoppe, Rose Luckin, Manolis Mavrikis, Kaska Porayska-Pomsta, Bruce McLaren, Benedict du Boulay, 2018-06-20 This two volume set LNAI 10947 and LNAI 10948 constitutes the proceedings of the 19th International Conference on Artificial Intelligence in Education, AIED 2018, held in London, UK, in June 2018. The 45 full papers presented in this book together with 76 poster papers, 11 young researchers tracks, 14 industry papers and 10 workshop papers were carefully reviewed and selected from 192 submissions. The conference provides opportunities for the cross-fertilization of approaches, techniques and ideas from the many fields that comprise AIED, including computer science, cognitive and learning sciences, education, game design, psychology, sociology, linguistics as well as many domain-specific areas.

ai in education conference: *Artificial Intelligence in Education* Ig Ibert Bittencourt, Mutlu Cukurova, Kasia Muldner, Rose Luckin, Eva Millán, 2020-07-04 This two-volume set LNAI 12163 and 12164 constitutes the refereed proceedings of the 21th International Conference on Artificial Intelligence in Education, AIED 2020, held in Ifrane, Morocco, in July 2020.* The 49 full papers presented together with 66 short, 4 industry & innovation, 4 doctoral consortium, and 4 workshop papers were carefully reviewed and selected from 214 submissions. The conference provides opportunities for the cross-fertilization of approaches, techniques and ideas from the many fields that comprise AIED, including computer science, cognitive and learning sciences, education, game design, psychology, sociology, linguistics as well as many domain-specific areas. *The conference was held virtually due to the COVID-19 pandemic.

ai in education conference: *Artificial Intelligence and Machine Learning* Bart Bogaerts, Gianluca Bontempi, Pierre Geurts, Nick Harley, Bertrand Lebicot, Tom Lenaerts, Gilles Louppe, 2021-01-04 This book contains a selection of the best papers of the 31st Benelux Conference on Artificial Intelligence, BNAIC 2019, and 28th Belgian Dutch Machine Learning Conference, BENELEARN 2019, held in Brussels, Belgium in November 2019. The 11 papers presented in this volume were carefully reviewed and selected from 50 regular submissions. They address various aspects of artificial intelligence such as natural language processing, agent technology, game theory, problem solving, machine learning, human-agent interaction, AI and education, and data analysis.

ai in education conference: *AI and education* Miao, Fengchun, Holmes, Wayne, Ronghuai Huang, Hui Zhang, UNESCO, 2021-04-08 Artificial Intelligence (AI) has the potential to address some of the biggest challenges in education today, innovate teaching and learning practices, and ultimately accelerate the progress towards SDG 4. However, these rapid technological developments inevitably bring multiple risks and challenges, which have so far outpaced policy debates and regulatory frameworks. This publication offers guidance for policy-makers on how best to leverage the opportunities and address the risks, presented by the growing connection between AI and education. It starts with the essentials of AI: definitions, techniques and technologies. It continues with a detailed analysis of the emerging trends and implications of AI for teaching and learning, including how we can ensure the ethical, inclusive and equitable use of AI in education, how education can prepare humans to live and work with AI, and how AI can be applied to enhance education. It finally introduces the challenges of harnessing AI to achieve SDG 4 and offers concrete actionable recommendations for policy-makers to plan policies and programmes for local contexts.

[Publisher summary, ed]

ai in education conference: *The Economics of Artificial Intelligence* Ajay Agrawal, Joshua Gans, Avi Goldfarb, Catherine Tucker, 2024-03-05 A timely investigation of the potential economic effects, both realized and unrealized, of artificial intelligence within the United States healthcare system. In sweeping conversations about the impact of artificial intelligence on many sectors of the economy, healthcare has received relatively little attention. Yet it seems unlikely that an industry that represents nearly one-fifth of the economy could escape the efficiency and cost-driven disruptions of AI. *The Economics of Artificial Intelligence: Health Care Challenges* brings together contributions from health economists, physicians, philosophers, and scholars in law, public health, and machine learning to identify the primary barriers to entry of AI in the healthcare sector. Across original papers and in wide-ranging responses, the contributors analyze barriers of four types: incentives, management, data availability, and regulation. They also suggest that AI has the potential to improve outcomes and lower costs. Understanding both the benefits of and barriers to AI adoption is essential for designing policies that will affect the evolution of the healthcare system.

ai in education conference: *Artificial Intelligence in Education* Ido Roll, Danielle McNamara, Sergey Sosnovsky, Rose Luckin, Vania Dimitrova, 2021-06-11 This two-volume set LNAI 12748 and 12749 constitutes the refereed proceedings of the 22nd International Conference on Artificial Intelligence in Education, AIED 2021, held in Utrecht, The Netherlands, in June 2021.* The 40 full papers presented together with 76 short papers, 2 panels papers, 4 industry papers, 4 doctoral consortium, and 6 workshop papers were carefully reviewed and selected from 209 submissions. The conference provides opportunities for the cross-fertilization of approaches, techniques and ideas from the many fields that comprise AIED, including computer science, cognitive and learning sciences, education, game design, psychology, sociology, linguistics as well as many domain-specific areas. *The conference was held virtually due to the COVID-19 pandemic.

ai in education conference: Revolutionizing Education in the Age of AI and Machine Learning Habib, Maki K., 2019-09-15 Artificial Intelligence (AI) serves as a catalyst for transformation in the field of digital teaching and learning by introducing novel solutions to revolutionize all dimensions of the educational process, leading to individualized learning experiences, teachers playing a greater role as mentors, and the automation of all administrative processes linked to education. AI and machine learning are already contributing to and are expected to improve the quality of the educational process by providing advantages such as personalized and interactive tutoring with the ability to adjust the content and the learning pace of each individual student while assessing their performance and providing feedback. These shifts in the educational paradigm have a profound impact on the quality and the way we live, interact with each other, and define our values. Thus, there is a need for an earnest inquiry into the cultural repercussions of this phenomenon that extends beyond superficial analyses of AI-based applications in education. *Revolutionizing Education in the Age of AI and Machine Learning* addresses the need for a scholarly exploration of the cultural and social impacts of the rapid expansion of artificial intelligence in the field of education including potential consequences these impacts could have on culture, social relations, and values. The content within this publication covers such topics as AI and tutoring, role of teachers, physical education and sports, interactive E-learning and virtual laboratories, adaptive curricula development, support critical thinking, and augmented intelligence and it is designed for educators, curriculum developers, instructional designers, educational software developers, education consultants, academicians, administrators, researchers, and professionals.

ai in education conference: *Artificial Intelligence in Education* Wayne Holmes, Maya Bialik, Charles Fadel, 2019-02-28 The landscape for education has been rapidly changing in the last years: demographic changes affecting the makeup of families, multiple school options available to children, wealth disparities, the global economy demanding new skills from workers, and continued breakthroughs in technology are some of the factors impacting education. Given these changes, how can schools continue to prepare students for the future? In a world where information is readily available online, how can schools continue to be relevant? The emergence of Artificial Intelligence

(AI) has exacerbated the need to have these conversations. Its impact on education and the multiple possibilities that it offers are putting pressure on educational leaders to reformulate the school curriculum and the channels to deliver it. The book *Artificial Intelligence in Education, Promises and Implications for Teaching and Learning* by the Center for Curriculum Redesign immerses the reader in a discussion on what to teach students in the era of AI and examines how AI is already demanding much needed updates to the school curriculum, including modernizing its content, focusing on core concepts, and embedding interdisciplinary themes and competencies with the end goal of making learning more enjoyable and useful in students' lives. The second part of the book dives into the history of AI in education, its techniques and applications -including the way AI can help teachers be more effective, and finishes on a reflection about the social aspects of AI. This book is a must-read for educators and policy-makers who want to prepare schools to face the uncertainties of the future and keep them relevant. --Amada Torres, VP, Studies, Insights, and Research, National Association of Independent School (NAIS)

The rapid advances in technology in recent decades have already brought about substantial changes in education, opening up new opportunities to teach and learn anywhere anytime and providing new tools and methods to improve learning outcomes and support innovative teaching and learning. Research into artificial intelligence and machine learning in education goes back to the late 1970s. Artificial intelligence methods were generally employed in two ways: to design and facilitate interactive learning environments that would support learning by doing, and to design and implement tutoring systems by adapting instructions with respect to the students' knowledge state. But this is just the beginning. As *Artificial Intelligence in Education* shows, AI is increasingly used in education and learning contexts. The collision of three areas - data, computation and education - is set to have far-reaching consequences, raising fundamental questions about the nature of education: what is taught and how it is taught. *Artificial Intelligence in Education* is an important, if at times disturbing, contribution to the debate on AI and provides a detailed analysis on how it may affect the way teachers and students engage in education. The book describes how artificial intelligence may impact on curriculum design, on the individualisation of learning, and on assessment, offering some tantalising glimpses into the future (the end of exams, your very own lifelong learning companion) while not falling victim to tech-hype. The enormous ethical, technical and pedagogical challenges ahead are spelt out, and there is a real risk that the rapid advances in artificial intelligence products and services will outstrip education systems' capacity to understand, manage and integrate them appropriately. As the book concludes: We can either leave it to others (the computer scientists, AI engineers and big tech companies) to decide how artificial intelligence in education unfolds, or we can engage in productive dialogue. I commend this book to anyone concerned with the future of education in a digital world. --Marc Durando, Executive Director, European Schoolnet

ai in education conference: Artificial Intelligence in Education Ning Wang, Genaro Rebollo-Mendez, Noboru Matsuda, Olga C. Santos, Vania Dimitrova, 2023-06-25 This book constitutes the refereed proceedings of the 24th International Conference on Artificial Intelligence in Education, AIED 2023, held in Tokyo, Japan, during July 3-7, 2023. This event took place in hybrid mode. The 53 full papers and 26 short papers presented in this book were carefully reviewed and selected from 311 submissions. The papers present result in high-quality research on intelligent systems and the cognitive sciences for the improvement and advancement of education. The conference was hosted by the prestigious International Artificial Intelligence in Education Society, a global association of researchers and academics specializing in the many fields that comprise AIED, including, but not limited to, computer science, learning sciences, and education.

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ai in education conference: Artificial Intelligence in Education Seiji Isotani, Eva Millán, Amy Ogan, Peter Hastings, Bruce McLaren, Rose Luckin, 2019-06-20 This two-volume set LNCS 11625 and 11626 constitutes the refereed proceedings of the 20th International Conference on Artificial Intelligence in Education, AIED 2019, held in Chicago, IL, USA, in June 2019. The 45 full papers presented together with 41 short, 10 doctoral consortium, 6 industry, and 10 workshop papers were carefully reviewed and selected from 177 submissions. AIED 2019 solicits empirical and theoretical papers particularly in the following lines of research and application: Intelligent and interactive technologies in an educational context; Modelling and representation; Models of teaching and learning; Learning contexts and informal learning; Evaluation; Innovative applications; Intelligent techniques to support disadvantaged schools and students, inequity and inequality in education.

ai in education conference: Artificial Intelligence in Education Andrew M. Olney,

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ai in education conference: Lee Kuan Yew School of Public Policy Kishore Mahbubani, 2013 In an industry of higher education that measures the longevity of its leading institutions in decades and centuries, the establishment and rapid growth of the eight-year-old Lee Kuan Yew School of Public Policy (LKY School), National University of Singapore, is a remarkable story that deserves to be told. The five co-authors, all of whom were involved in guiding the School during its formative years, provide unique perspectives of key events and the thinking behind major decisions that helped place the School on its current trajectory. They also provide insights into the challenges faced along the way as well as their own motivations in becoming part of this enterprise. Finally, each author provides his or her own thoughts as to the challenges and opportunities that could emerge for the LKY School in years to come. Read the chapters authored by dynamic, key founding and management personnel of the LKY School and discover for yourselves: the relevance of an Asian policy school what will make the LKY School's curriculum OC one of the most innovative OCO what sets global policy studies apart from all other academic disciplines why executive education at the LKY School is one of the largest in the world why the LKY School is the third best-endowed policy school in the world a view of high-profile participating OC student officials OC

ai in education conference: KI 2020: Advances in Artificial Intelligence Ute Schmid, Franziska Klügl, Diedrich Wolter, 2020-09-08 This book constitutes the refereed proceedings of the 43rd German Conference on Artificial Intelligence, KI 2020, held in Bamberg, Germany, in September 2020. The 16 full and 12 short papers presented together with 6 extended abstracts in this volume were carefully reviewed and selected from 62 submissions. As well-established annual conference series KI is dedicated to research on theory and applications across all methods and topic areas of AI research. KI 2020 had a special focus on human-centered AI with highlights on AI and education and explainable machine learning. Due to the Corona pandemic KI 2020 was held as a virtual event.

ai in education conference: An Introduction to Artificial Intelligence in Education Shengquan Yu, Yu Lu, 2021-11-29 This book systematically reviews a broad range of cases in education that utilize cutting-edge AI technologies. Furthermore, it introduces readers to the latest findings on the scope of AI in education, so as to inspire researchers from non-technological fields (e.g. education, psychology and neuroscience) to solve education problems using the latest AI techniques. It also showcases a number of established AI systems and products that have been employed for education. Lastly, the book discusses how AI can offer an enabling technology for critical aspects of education, typically including the learner, content, strategy, tools and environment, and what breakthroughs and advances the future holds. The book provides an essential resource for researchers, students and industrial practitioners interested and engaged in the fields of AI and education. It also offers a convenient handbook for non-professional readers who need a primer on AI in education, and who want to gain a deeper understanding of emerging trends in this domain.

ai in education conference: Artificial Intelligence in Education V. Dimitrova, R. Mizoguchi, B. du Boulay, 2009-06-25 This publication covers papers presented at AIED2009, part of an ongoing series of biennial international conferences for top quality research in intelligent systems and cognitive science for educational computing applications. The conference provides opportunities for the cross-fertilization of techniques from many fields that make up this interdisciplinary research area, including: artificial intelligence, computer science, cognitive and learning sciences, education, educational technology, psychology, philosophy, sociology, anthropology, linguistics, and the many domain-specific areas for which AIED systems have been designed and evaluated. AIED2009 focuses on the theme Building learning systems that care: from knowledge representation to affective modelling. The key research question is how to tackle the complex issues related to building learning systems that care, ranging from representing knowledge and context to modelling social, cognitive, metacognitive, and affective dimensions. This requires multidisciplinary research that links theory and technology from artificial intelligence, cognitive science, and computer science with theory and practice from education and the social sciences.

ai in education conference: Artificial Intelligence for Education Mario Allegra, Manuel Gentile, Giuseppe Città, Frank Dignum, Iza Marfisi-Schottman, 2023-11-27 What learning, teaching, and education will be in the next future is an open question. Nevertheless, believing that an increasing prevalence of AI may not influence the education field seems objectively unlikely. In recent years, the new renaissance of AI has stimulated discussion on how advances in AI can influence the educational sector and the future educational policies and the impact of AI on Technology-Enhanced Learning (TEL). On the other side, the attention of the education sector in artificial intelligence is complemented by the consideration that, since the early days of AI, researchers have shown for the education sector, which has often seen education as one of the preferred application areas. The interaction between the AI and TEL research fields led to the investigation of how the advance in AI could support the development of flexible, inclusive, personalized, engaging, and effective learning tools. Besides, research in this area could be a powerful tool to open the learning black box by providing a deeper understanding of how learning occurs. The proposed Research Topic aims to gather contributions that provide a comprehensive picture of how AI is changing educational practices and how the key stakeholders in the educational community (i.e., students, teachers, faculty, and families) perceive this ongoing change. Relevant topics include (but are not limited to): ● AI applications in real-world educational settings ● Intelligent Tutoring Systems ● Adaptive learning environments ● Learning design and AI ● Students profiling: definition of the student model and ethical implications ● Intelligent techniques for objective and integrated students evaluation in TEL ● Teachers' competencies for effective integration of AI into Education ● Teachers' perceptions of AI: prejudices and attitudes ● The role of cognitive architectures in Education ● Serious games and AI ● Social robotics in Education

ai in education conference: Artificial Intelligence in Education Maria Mercedes Rodrigo, Noburu Matsuda, Alexandra I. Cristea, Vania Dimitrova, 2022-07-26 This two-volume set LNAI 13355 and 13356 constitutes the refereed proceedings of the 23rd International Conference on Artificial Intelligence in Education, AIED 2022, held in Durham, UK, in July 2022. The 40 full papers and 40 short papers presented together with 2 keynotes, 6 industry papers, 12 DC papers, 6 Workshop papers, 10 Practitioner papers, 97 Posters and Late-Breaking Results were carefully reviewed and selected from 243 submissions. The conference presents topics such as intelligent systems and the cognitive sciences for the improvement and advancement of education, the science and engineering of intelligent interactive learning systems. The theme for the AIED 2022 conference was „AI in Education: Bridging the gap between academia, business, and non-pro t in preparing future-proof generations towards ubiquitous AI.

ai in education conference: Artificial Intelligence in Education Elisabeth André, Ryan Baker, Xiangen Hu, Ma. Mercedes T. Rodrigo, Benedict du Boulay, 2017-06-22 This book constitutes the refereed proceedings of the 18th International Conference on Artificial Intelligence in Education, AIED 2017, held in Wuhan, China, in June/July 2017. The 36 revised full papers presented together

with 4 keynotes, 37 poster, presentations, 4 doctoral consortium papers, 5 industry papers, 4 workshop abstracts, and 2 tutorial abstracts were carefully reviewed and selected from 159 submissions. The conference provides opportunities for the cross-fertilization of approaches, techniques and ideas from the many fields that comprise AIED, including computer science, cognitive and learning sciences, education, game design, psychology, sociology, linguistics as well as many domain-specific areas.

ai in education conference: *Artificial Intelligence in Education* Matthew N.O. Sadiku, Sarhan M. Musa, Uwakwe C. Chukwu, 2022-01-27 The quest for building an artificial brain developed in the fields of computer science and psychology. Artificial intelligence (AI), sometimes called machine intelligence, refers to intelligence demonstrated by machines, while the natural intelligence is the intelligence displayed by humans and animals. Typically, AI systems demonstrate at least some of the following human behaviors: planning, learning, reasoning, problem solving, knowledge representation, perception, speech recognition, decision-making, language translation, motion, manipulation, intelligence, and creativity. Artificial intelligence is an emerging technology which the educational sector can benefit from. In this book, we consider the applications of AI in key areas of education. Artificial intelligence in education (AIED) refers to the application of AI technologies in educational settings to facilitate teaching, learning, or decision making. AI will impact the education field in the areas of administration, instruction, and personalized, and individualized learning applications. In this book, AI is specifically applied in the following key educational sectors: education, natural sciences, social sciences, computer science, engineering, business, and medicine.

ai in education conference: *Artificial Intelligence in Higher Education* Prathamesh Padmakar Churi, Shubham Joshi, Mohamed Elhoseny, Amina Omrane, 2022-08-29 The global adoption of technology in education is transforming the way we teach and learn. Artificial Intelligence is one of the disruptive techniques to customize the experience of different learning groups, teachers, and tutors. This book offers knowledge in intelligent teaching/learning systems, and advances in e-learning and assessment systems. The book highlights the broad field of artificial intelligence applications in education, regarding any type of artificial intelligence that is correlated with education. It discusses learning methodologies, intelligent tutoring systems, intelligent student guidance and assessments, intelligent education chatbots, and artificial tutors and presents the practicality and applicability implications of AI in education. The book offers new and current research along with case studies showing the latest techniques and educational activities. The book will find interest with academicians which includes teachers, students of various disciplines, higher education policymakers who believe in transforming the education industry, and research scholars who are pursuing their Ph.D. or Post Doc. in the field of Education Technology, Education, and Learning, etc. and those working in the area of Education Technology and Artificial Intelligence such industry professionals in education management and e-learning companies.

ai in education conference: *Artificial Intelligence in Education. Posters and Late Breaking Results, Workshops and Tutorials, Industry and Innovation Tracks, Practitioners, Doctoral Consortium and Blue Sky* Andrew M. Olney,

ai in education conference: *ARTIFICIAL INTELLIGENCE IN EDUCATION: REVOLUTIONIZING LEARNING AND TEACHING* Prof. (Dr.) Mita Banerjee, Prof. (Dr.) Sridipa Sinha, Dr. Pranay Pandey, 2024-08-25

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many domain-specific areas. *The conference was held virtually due to the COVID-19 pandemic.

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12164 constitutes the refereed proceedings of the 21th International Conference on Artificial Intelligence in Education, AIED 2020, held in Ifrane, Morocco, in July 2020.* The 49 full papers presented together with 66 short, 4 industry & innovation, 4 doctoral consortium, and 4 workshop papers were carefully reviewed and selected from 214 submissions. The conference provides opportunities for the cross-fertilization of approaches, techniques and ideas from the many fields that comprise AIED, including computer science, cognitive and learning sciences, education, game design, psychology, sociology, linguistics as well as many domain-specific areas. *The conference was held virtually due to the COVID-19 pandemic.

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interest to researchers in pedagogy and learning theory, university faculty members and administrators, learning and development specialists, user experience designers, and others.

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