

Workshop on Ethical AI&ED @ AIED 2024 in Recife, Brazil

Ethical AI and Education: The need for international regulation to foster human rights, democracy and the rule of law

Friday, 12th of July 2024

Half-day hybrid workshop (on-site and online)

Workshop title:	Ethical AI and Education: The need for international regulation to foster human rights, democracy and the rule of law
Workshop organizers:	Christian M. Stracke (University of Bonn, stracke@uni-bonn.de) Irene-Angelica Chounta (University of Duisburg-Essen) Vania Dimitrova (University of Leeds) Beth Havinga (European EdTech Alliance) Wayne Holmes (University College London)
Workshop history:	This workshop is the continuation of the very successful workshop held at the AIED 2023 Conference in Tokyo, Japan to allow ongoing updates and awareness raising on the important topic of ethical AI&ED as well as direct communication and discussions for contributions to the current Council of Europe (CoE)'s development of an international regulation as binding law in Europe and design of comprehensive AI literacy tools. Website of the Workshop 2023: http://aied2023.learning-innovations.eu
Workshop background:	<p>It is obvious and demanded from latest publications, studies and events that Artificial Intelligence (AI in education and beyond) requires legal and organizational regulations.</p> <p>Therefore, the Council of Europe (CoE) took action as it is the international organisation founded in 1949 to uphold human rights, democracy and the rule of law in Europe. Currently, it has 46 member states (19 more than the European Union), with a population of approximately 675 million.</p> <p>In 2021, the CoE established an Expert Group to investigate, and propose a legal instrument for, the application (AIED) and teaching (AI Literacy) of AI in education. The project, entitled, "Artificial Intelligence and Education" (AI&ED), is working towards developing an actionable set of recommendations for Member States, helping ensure that the application and teaching of AI in education is for the common good.</p> <p>To that end, the CoE AI&ED Expert Group have researched and written an initial report ("AI and Education. A critical view through the lens of human rights, democracy and the rule of law.") and undertaken a survey of Member States, both of which have been designed to inform the project and to stimulate further critical debate. Currently the CoE AI&ED Expert Group is working on the analysis of the survey and developing the legal instrument as international convention.</p> <p>All workshop organizers are members of the CoE AI&ED Expert Group and contributed to the CoE Expert Conferences "Artificial Intelligence and Education" held by the CoE in Strasbourg on 18th / 19th of October 2022 and on 21st / 22nd of November 2023.</p> <p>To establish the context, in advance of the workshop, the CoE Expert Group's initial report will be shared with the workshop participants.</p>

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<p>Workshop objectives:</p>	<p>The workshop intends to achieve these learning objectives:</p> <ul style="list-style-type: none"> • To explore potential guidelines for trustworthy and ethical AI usage and to critically assess their structure and usage scenarios • To develop ideas around personal future ramifications (including trustworthiness and ethical implications) and AI usage in education, and to collate, present and discuss these • To explore in group work and in the plenary how legal regulations and guidelines for trustworthy and ethical AI usage can be developed and designed, in particular related to legal and organizational requirements • To identify methods for dealing with the quick changing developments in AI, providing a legal framework that is flexible but also appropriately effective <p>Therefore, these guiding aspects will be addressed:</p> <ul style="list-style-type: none"> • How can we develop and implement legal and organizational requirements for ethical AI introduction and usage? • How can we keep and maybe even strengthen human rights, democracy, digital equity and rules of law through AI-supported education and learning opportunities? • And how can we involve all educational levels (micro, meso, macro) and stakeholders to guarantee a trustworthy and ethical AI usage? <p>Main focus will be on the legal and organizational requirements to achieve a regulation in the fields of AI and Education (AI&ED). Basis will be the work and activities of the Council of Europe (CoE) and its appointed AI&ED Expert Group and in particular its initial report. All these open and urgent issues will be discussed and next steps in relation to these requirements and goals will be defined.</p>
<p>Workshop format:</p>	<p>This half-day workshop will be conducted in a highly interactive manner. It consists of two sections that are interrelated and complement each other.</p> <p>In the first section, the workshop will follow traditional collaboration in small working groups on four questions.</p> <p>In the second section, the workshop will follow the World Café method offering up to 10 prepared questions that can be selected.</p> <p>The whole workshop will be hybrid with small working groups that are on-site as well as online and always followed by plenary sessions. Thus, the groups inform each other on the discussions and results.</p>
<p>Workshop target groups:</p>	<p>All AIED community members:</p> <p>The interactive workshop is dedicated to interested beginners without any pre-knowledge as well as to experts.</p> <p>Through the hybrid format, we can foster discussions with all AIED community members worldwide.</p>
<p>Workshop outcomes:</p>	<p>First, presentation, discussion and collection of legal and organizational criteria, dimensions and requirements that are needed for the development and design of strategies and guidelines defining and regulating trustworthy and ethical AI and its introduction and usage (in education and beyond).</p> <p>Second, the workshop discussions will directly inform the Council of Europe's Expert Group on AI&ED's work towards the final report and the legal instrument to be debated by Council Ministers in 2024.</p> <p>Third, it is intended to collaborate on a common publication based on the workshop discussions and results.</p>

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Workshop program:	<p>In the first section, the interactive Workshop will begin with an introduction to the workshop and a summary of the key messages from the initial report on AI&ED by the CoE Expert Group (15 minutes). The core part of the first section will centre on four key questions (the length will be dependent on the total time available). The four questions are:</p> <ul style="list-style-type: none">• Q1. What issues does the report misunderstand or misrepresent, and how should this be corrected?• Q2. What issues does the report ignore, miss or forget, and what other information should be included?• Q3. What regulations, if any, should be put in place to protect human rights, democracy and the rule of law whenever AI is applied (AIED) or taught (AI Literacy) in educational contexts?• Q4. What case studies can the participants suggest to enhance the public understanding of the issues raised in the report? <p>Each question will be introduced by a 5-minute presentation. Participants will then work in small groups, to respond to the issues introduced, before reporting back their views and ideas to the workshop.</p> <p>The first section will conclude with a discussant summarising the workshop participants' input (15 mins) followed by a wrap up (5 mins).</p> <p>In the second section, the interactive Workshop follows the World Café method and consists of four parts:</p> <p>In the first short part (5 mins), we will briefly present the World Café method and the topic "Legal and organizational requirements for ethical AI introduction and usage".</p> <p>In the second core part (the length will be dependent on the total time available), we will discuss different and pre-prepared themes and aspects in groups of ideally 4 to 10 participants.</p> <p>We will prepare 10 themes before the conference and will decide depending on the number of participants how many group tables we will offer during the workshop.</p> <p>The procedure will be identical on all group tables:</p> <ol style="list-style-type: none">1. The theme will be read that always consists of an open question and clarified.2. Afterwards, the contributions (= answers on the open question of the theme) will be collected as post-it at a flipchart next to the group table.3. Finally, all collected contributions will be sorted in open discussion and be clustered according defined categories or criteria so that they can be presented. That can be done independently or using the categories or criteria from the other rounds before. <p>In the third part (30 mins), the results from the group tables will be presented in the plenary and critically discussed and reflected. These can then be provided as summaries for publication after the event.</p> <p>In the fourth part, we will collect all issues that the workshop participants wish to discuss and bring to the attention of the CoE Expert Group (15 mins). Finally, we will define next steps and activities and conclude with a wrap up of the whole Workshop (10 mins).</p>
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Workshop relevance and importance to the AIED community:	<p>To prepare for the Council of Europe Council of Ministers meeting in 2024, when the proposed text of the legal instrument on AI in Education will be debated and (hopefully) agreed, and when a final report from the CoE Expert Group will be published, the CoE Expert Group is currently eliciting expert input from key stakeholder groups: students, teachers, commercial organisations, NGOs, and academia.</p> <p>The members of the AIED community are key stakeholders, such that it is critical that their views are properly addressed by the Council of Europe's in their work (particularly the proposed legal instrument) on AI and education.</p> <p>The workshop is also closely aligned with the AIED 2024 conference theme - "AI in Education for a World in Transition". It will provide an arena for the AIED community to familiarise themselves with the CoE initiative and to engage in follow on activities. Therefore, it will present the results from CoE AI&ED Expert Conference "Artificial Intelligence and Education" (held on 21st / 22nd of November 2023 in Strasbourg) and introduce in the initial report of the CoE Expert Group: <i>Artificial Intelligence and Education. A critical view through the lens of human rights, democracy and the rule of law</i> (2022), https://rm.coe.int/artificial-intelligence-and-education-a-critical-view-through-the-lens/1680a886bd.</p> <p>The workshop will also facilitate the forming of a wider community of practice within the AIED community to consider the wider societal implication of AIED.</p>
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