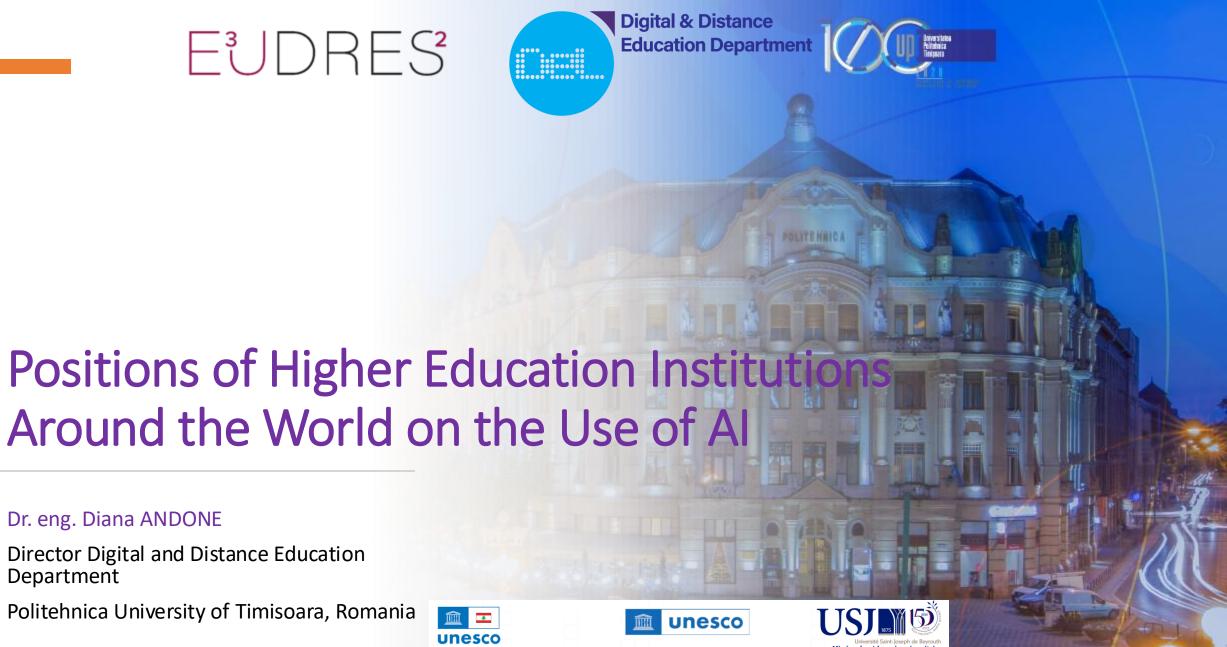
EUDRES



Dr. eng. Diana ANDONE

Director Digital and Distance Education Department

Politehnica University of Timisoara, Romania





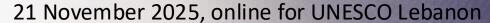








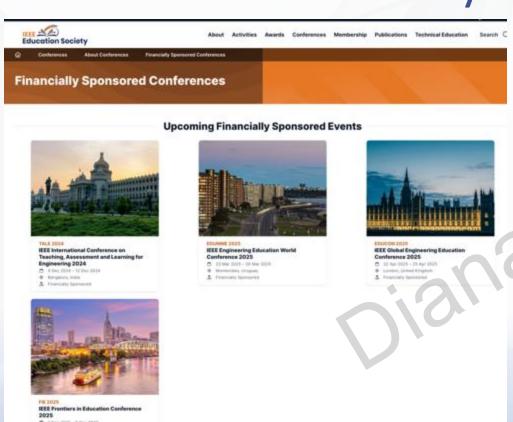






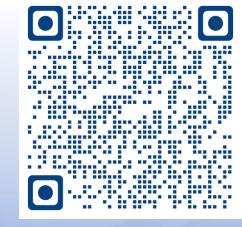
Join and follow

IEEE Education Society Conferences





https://ieee-edusociety.org/



IEEE Education Society Financially Sponsored Conferences

2026 IEEE DEMOcon Digital Education

2026 IEEE DEMOcon Digital Education incorporates the legacy of the IEEE Learning with MOOCs (LWMOOCs) conference with

EMOOCs European MOOCs Stakeholders Summit

DEMOcon 2026

24-27 June 2026 Timisoara, Romania

2026 IEEE DEMOcon Digital Education and MOOCs Conference now merged with EMOOCs - The European MOOCs Stakeholders Summit

















Politehnica University of Timisoara, Romania









EUDRES

Engaged and Entrepreneurial European University as Driver for European Smart and Sustainable Regions

European University Alliance



THE HIGHER EDUCATION INSTITUTIONS IN E³UDRES²





St. Pölten University of Applied Sciences



Polytechnic Institute of Setúbal



Hungarian University of Agriculture and Life Sciences



UC Leuven-Limburg University of Applied Sciences



Politehnica University Timișoara



Vidzeme University of Applied Sciences



Saxion University of Applied Sciences



Fulda University of Applied Sciences



Jyväskylä University of Applied Sciences

Centralised Support to the Network of Higher Education Reform Experts (HERE) 'SPHERE2'

a consortium of OBREAL Global (coordinator) and the European University Association (EUA) European Commission's Education, Audiovisual and Culture Executive Agency (EACEA)

with

National Erasmus+ Offices (NEO) and HERE teams in Partner Countries neighboring the EU

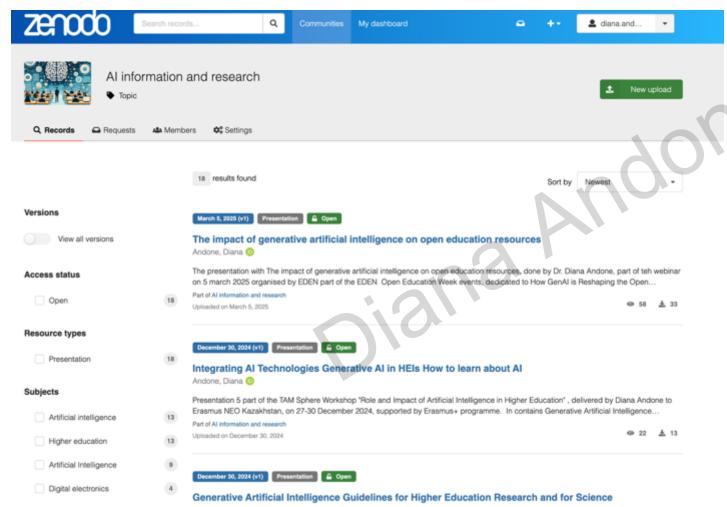
March 2024 – June 2025

Technical Assistance Missions (TAM)

Training to more than 1000 HE experts from Moldova, Albania, Kyrgysztan, Lebanon, Kazakhstan, Kosovo



My repository on Al







Neil Postman (1998) "Five Things We Need to Know About Technological Change."

- 1. We always pay a price for technology.
- 2. When it comes to technology, there are always winners and losers.
- 3. Embedded in every technology, there are one or more powerful ideas—and biases.
- 4. Technological change is not additive, it is ecological.
- 5. Technologies are fictions.



Neil Postman (1998) "Five Things We Need to Know About Technological Change."

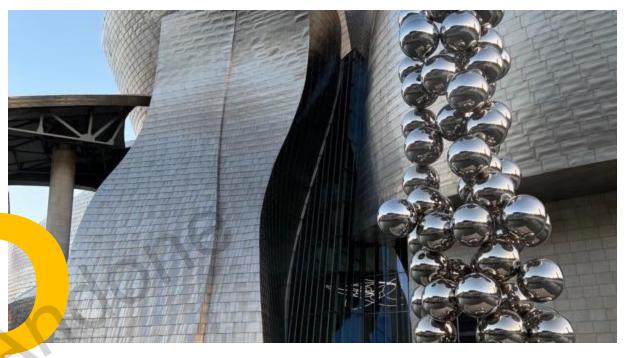
- 1. We always pay a price for technology.
- 2. When it comes to technology, there are always

Technological change is not additive, it is ecological.

- T. Icelinological change is not additive, it is ecological.
- 5. Technologies are fictions.







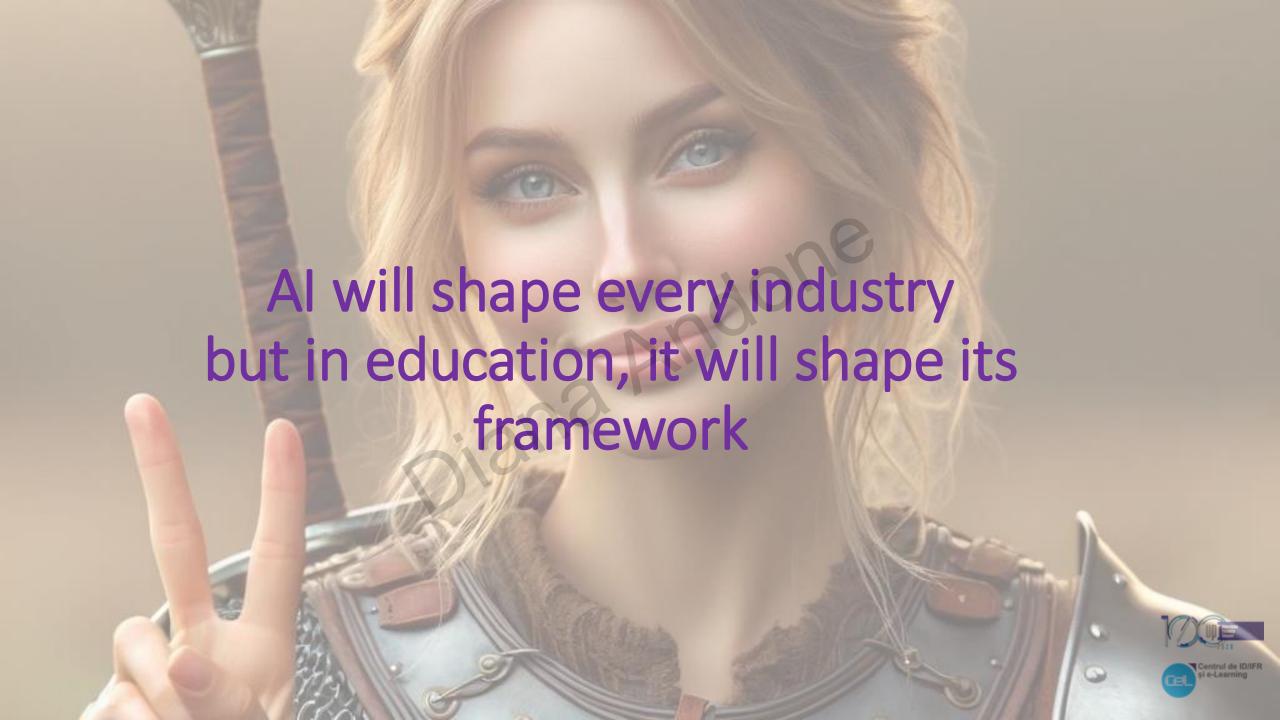












Strategic add

with Al

Engineerin

Al alignment a with yo

Competence developme Al's

Supporting streembing streembing streems

and administrato with Al too

Support Stude**itegrating** sen education

Responsible Research

tegrity



Strategic addir

Engineerin

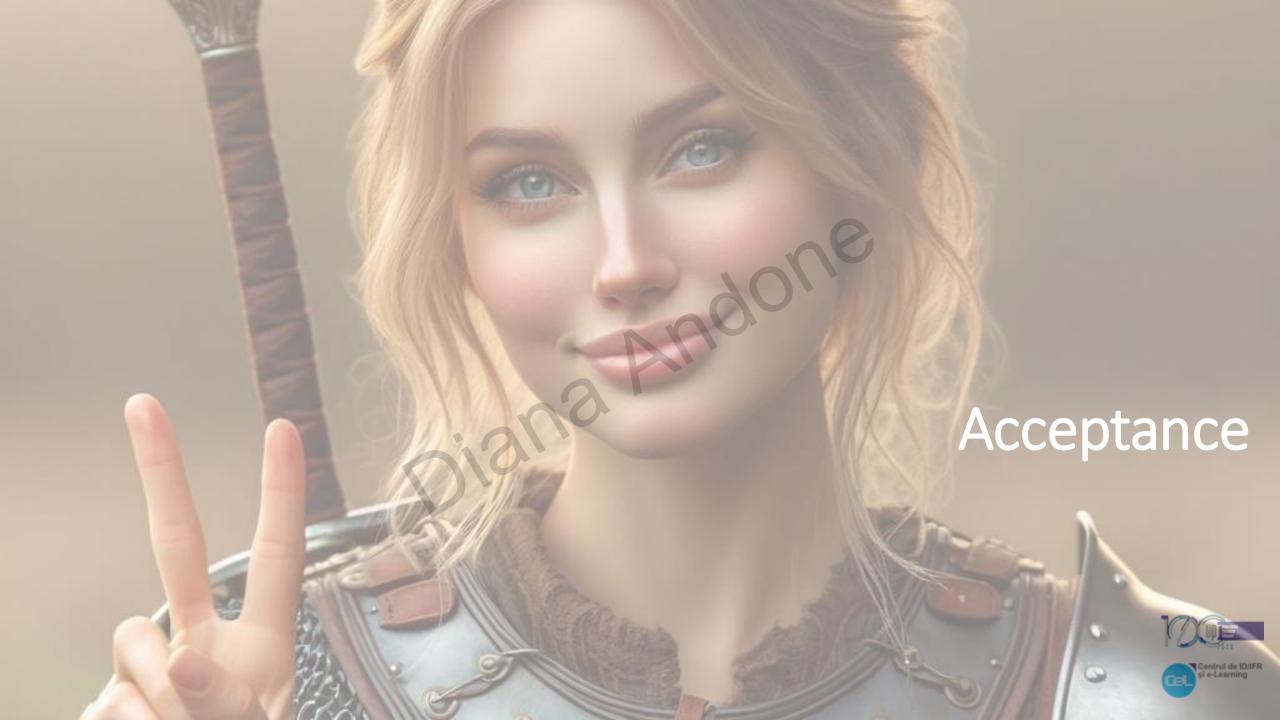
Al alignment and integratic with y

Competence developme

Supporting sta empower educato and administrato with Al too

Support Students and learne





Where we are

Al in Education

Digital Education Council Global Al Faculty Survey 2025 | Section 1. Al in Teaching Today

61% of faculty have used Al in teaching



Faculty usage of Al in teaching, % of respondents

Question: Have you used / are you using Al in your teaching?

No	Yes	
39%		61%
39% have not used Al	61% have used Al	Al in teaching and learning 61% of faculty report having used Al in teaching. According to the <u>Digital</u> Education Council Global Al Student Survey 2024, 59% of students expected an increased use of Al in their education.

From dilemmas ...

What do we do when (almost) everything we do and everything we teach students to do can be achieved through AI?

To solutions ...

We no longer ask **If, but How.**It's not about what we do for our students. It's about what we help students do for themselves.

(EduCause Report, 2023)

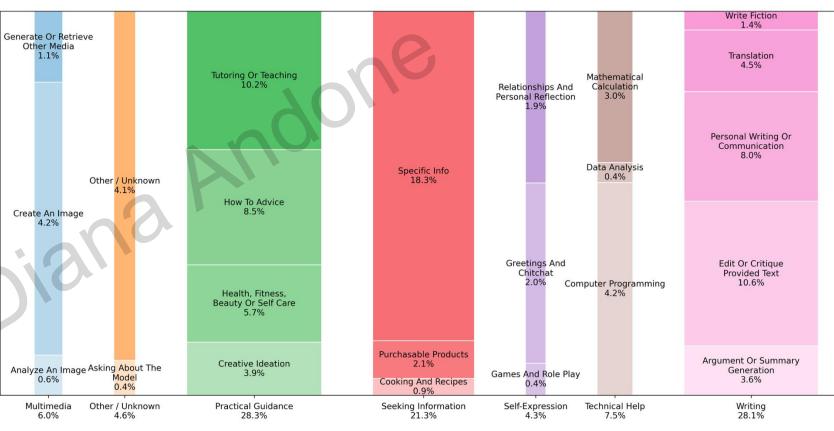


Importance on the use of AI in education

Learning has become one of the major ways of using ChatGPT

10,2% from all the prompts in ChatGPT are clearly asking for suppor in learning

(± 2 billions coming from 7 millions users per week)







Al in Education

If deployed well, AI can help unlock solutions for improving global education systems.

4 Promises of AI in education



Supporting teachers' role: augmentation and automation



Refining assessment and decision-making in education



Supporting AI and digital literacy



Personalizing learning content and experience





Al in the news

Universities are slowly adopting generative AI in their work, but in depth guidance is still missing for many institutions, with some waiting for the European Commission to set EU guidelines for safe use.

SCIENCE BUSINESS

Bringing together industry, research and policy

News ▼ Reports Events The Network ▼ Communications Services ▼ About Us ▼

Universities ready to take up generative artificial intelligence, but say guidelines are needed

24 Oct 2023 | News

Universities

R&D Policy

AI

Digital

As Al becomes a daily helper for research managers, institutions are awaiting EU guidelines and learning from one another

By Goda Naujokaitytė



Universities are slowly adopting generative AI in their work, but in depth guidance is still missing for many institutions, with some waiting for the European Commission to set EU guidelines for safe use.

Al tools are becoming increasingly common in science, but few universities have come out with their own rules instructing academics, researchers and students how they can be used. A UNESCO survey of around 450 educational institutions published in June found only around 13% of universities have provided their staff and students formal guidance.

The survey found that for those universities that have issued guidance, the requirements vary a lot. Only half have detailed instructions, the rest approve of Al but leave it up to users to decide how generative Al apps are applied. In 40% of cases, the guidance is not written, but only communicated orally.

Regulations and Policies for Al

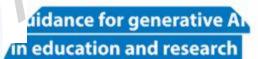
- **EU AI Act**
- EU | GDPR
- OECD | Al Policy Observatory
- **UNESCO | Artificial intelligence in** education

European Commission: Directorate-General for Education, Youth, Sport and Culture, Ethical guidelines on the use of artificial intelligence (AI) and data in teaching and learning for educators, Publications Office of the European Union, 2022,

https://data.europa.eu/doi/10.2766/153756



data in teaching and learning for Educators



RESPONSIBLE

GENERATIVE AL

IN RESEARCH



EDEH community workshop on explainable AI in education (Brussels, 17-18 October 2024)

EUROPEAN DIGITAL EDUCATION HUB

Summary of policy recommendations

The European Digital Education Hub hosted its ninth community workshop on 17 and 18 October 2024 in Brussels on the topic of explainable AI (XAI). Explainability, interpretability and understandability of AI systems are crucial to ensure these systems can be selected for ethical and responsible educational use, to identify biases and hallucinations within the tools, and to hold developers and deployers accountable.

During the different workshop sessions, the 31 participants from all over Europe and from diverse educational backgrounds addressed the following three research questions (RQ) resulting in a set of policy recommendations that are presented below.

explainability

of explainability standards in AI systems used within forma educational contexts with a focus on transparency an

ecision or recommendation provided by an AI system?





ING CONSENSUS ONSENSUS DE BEIJING iur l'intelligence artificielle et l'éducation CONSENSO DE BEIJING

OECD Education Working Papers No. 218

Trustworthy artificial In education: Promises and

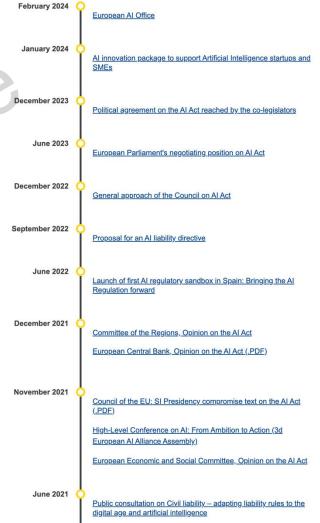
Stéphan Vincent-Lancrin, Reyer van der Vlies

European approach to excellence in Al

EU will achieve this by:

- 1.enabling the development and uptake of Al in the EU
- 2.becoming the place where Al thrives from the lab to the market
- 3. ensuring that Al works for people and is a force for good in society
- 4. <u>building strategic leadership</u> in high-impact sectors

Important milestones





Al and EU

Al Act: different rules for different risk levels

Generative Al

Generative AI, like ChatGPT, would have to comply with transparency requirements:

- Disclosing that the content was generated by AI
- Designing the model to prevent it from generating illegal content
- Publishing summaries of copyrighted data used for training

Limited risk

Limited risk AI systems should comply with minimal transparency requirements that would allow users to make informed decisions.



Energy Gender equality Climate and environment

ular economy

All topics

opics > Dig

Artificial inte

EU Al Act: first regulation on artificial intelligence

EU Al Act: first regulation on artificial intelligence

The use of artificial intelligence in the EU will be regulated by the AI Act, the world's first comprehensive AI law. Find out how it will protect you.

Published: 08-06-2023 · Last updated: 19-12-2023 - 11:45



This illustration of artificial intelligence has in fact been generated by Al

As part of its <u>digital strategy</u>, the EU wants to regulate artificial intelligence (AI) to ensure better conditions for the development and use of this innovative technology. All can create



European approach to excellence in Al

Al literacy in the Al Act

Article 4 of the <u>AI Act</u> entered into application on 2 February 2025. It requires providers and deployers of AI systems to ensure a sufficient level of AI literacy of their staff and other persons dealing with AI systems on their behalf.



Strategic addir

Engineerin

Al alignment and integratic with y

Competence developme

Supporting sta empower educato and administrato with Al too

Support Students and learne



Strategic addir ir Engineerin

Al alignment and integratic with y

Al alignment and integration with your institution's vision and goals

empower educato and administrato with Al too

Support Students and learne



Al maturity toolkit for tertiary education

Al Maturity model for Education

Approaching and understanding

Interested in Al

sectors

Understanding how it

has impacted or is

transforming other

Experimenting and exploring

- Initial Al guidance produced.
- Experimentation and pilots within existing processes and with existing AI enabled tools.
- Data culture to support AI emerging
- Responsible Al processes established

Operational

- Institutional AI principles established
- A systemic approach to staff AI skills and literacy
- Use of everyday Al institution wide.
- Task specific AI used for one or more processes across an organization ag chatbots for a specific purpose or adaptive learning systems

Embedded

- Al embedded in strategy
- Data maturity allows Al to be considered for all new systems and processes
- Mature processes to manage the lifecycle of all AI products, including procurement and continuous monitoring

Optimised /Transformed

- Al is supporting the delivery of learning that optimises opportunities and outcomes for all learners
- The right tasks are automated, freeing staff time for creativity and human interaction.

Data Maturity



Al Policies in Higher education

EDUCAUSE

Three Areas of Generative Al Policy Focus for Higher Education

https://www.educause.edu/research/2024/2024-educause-action-plan-ai-policies-and-guidelines

EDUCAUSE

obs .EDU Domain

Putting People First Showcase

Insights

Conferences & Learning

Comm

Artificial Intelligence (AI)

Artificial Intelligence or AI refers to the simulated human intelligence in machines or computers that are programmed to undertake tasks usually thought to require human cognitive processes and decision-making capabilities. AI has been in use in higher education for some time, and common uses of AI span across the campus including personalized learning, virtual assistants and chatbots, learning analytics, grading, language translation, content and syllabus creation, research, and the admissions process. Learn more about artificial intelligence in higher education including the challenges and opportunities of AI use on the campus.

Explore all EDUCAUSE events on AI ...

The Basics of AI in Higher Education

- 7 Things You Should Know About Generative AI, EDUCAUSE Review
- A Framework for Al Literacy, EDUCAUSE Review
- A Generative AI Primer, EDUCAUSE Review

Al on Campus



UNESCO global report on Al and the Future of Education (inspired by)

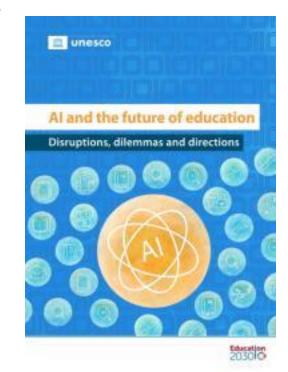
Al futures in education

Al pedagogies, assessment and emerging educational futures

AI and educators

Ethical and governance

Al in education policy





UNESCO global report on AI and the Future of Education (inspired by)

Al futures in education

Al futures not only about computation, intelligence, power, penetration

- to rethink what "knowing" really means.
- how we know and how we find out about things, how we acquire information, validate and understand its values
- Digital divide those who can 'own' it
- Not only technical but transformational: how do we define learning, progress, and human identity in an AI age?



UNESCO global report on AI and the Future of Education (inspired by)

Ethical and governance imperatives for AI futures in education

- transparent, fair, and accountable by design and structure
- Governance— it requires democratic, participative oversight (not only technical or ethical)
- Strategic adoption of AI with all actors involved and their accountability



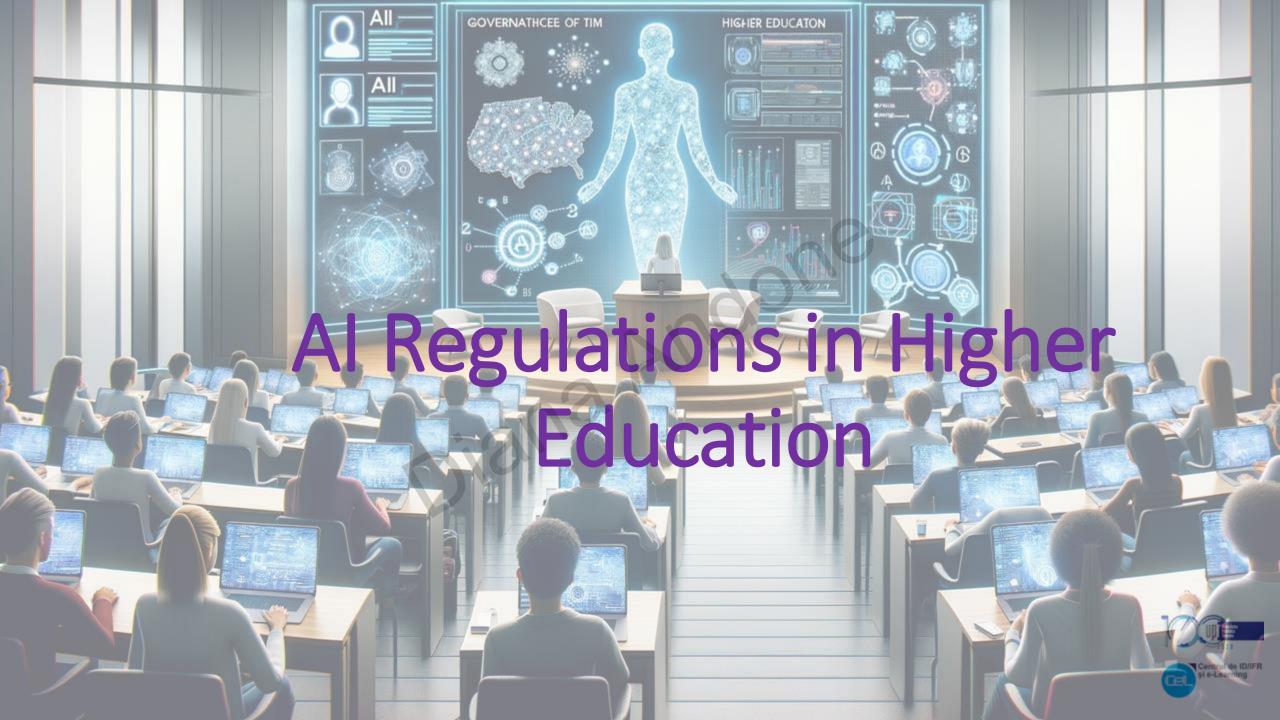
UNESCO global report on Al and the Future of Education (inspired by)

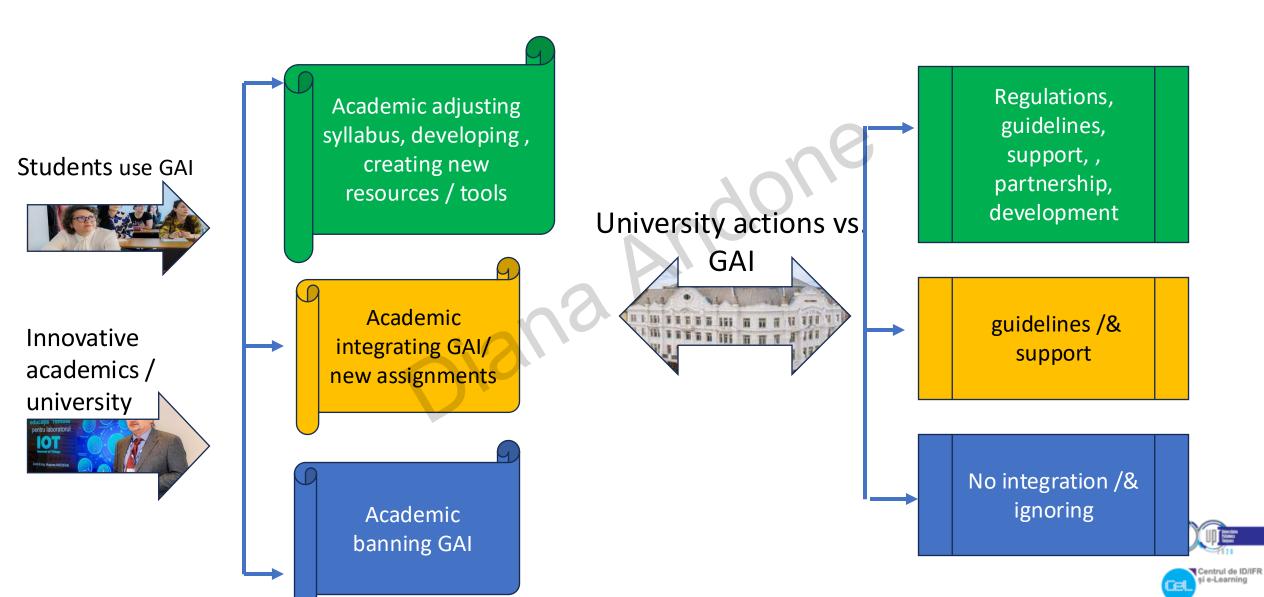
Reimagining AI in education policy Evidence and geopolitical realities

Policy must keep pace with fast-moving AI capabilities balancing human and machine intelligence

supporting open and collaborative structures







UNESCO global report on AI and the Future of Education

Growing institutional policy frameworks on AI, and investment in AI tools

19% their institutions have a formal AI policy

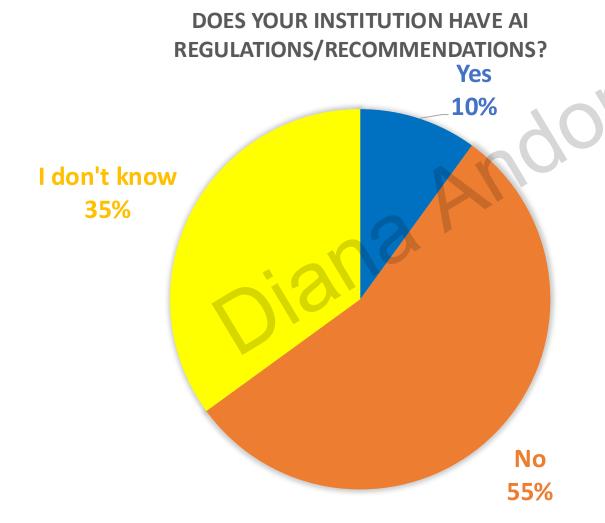
42% Al guiding frameworks are under development

70% of institutions in Europe and North America have or are developing guidance

45% in Latin America and the Caribbean

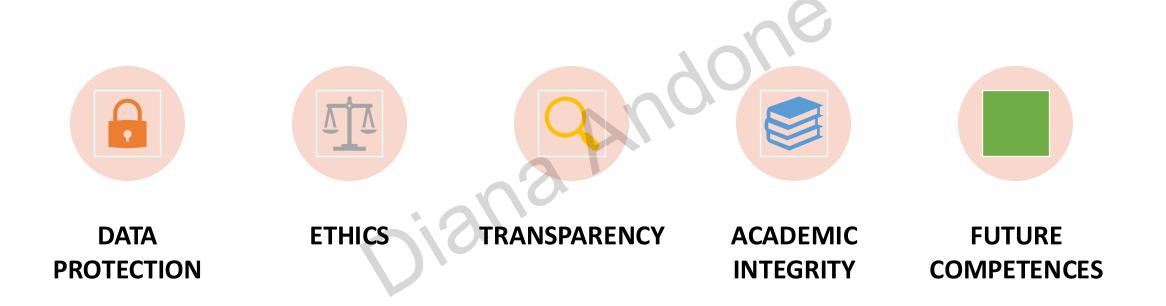


Analysis of Experiences on Al



1000 HE experts from Moldova, Albania, Kyrgysztan, Lebanon, Ghana, Kazakhstan, Kosovo







Many universities adopt their own AI policies

Common elements include:

- Rules on acceptable use of AI in learning and research
- Academic honesty policies adapted for AI-generated content
- Ethical guidelines for Al use in teaching, advising, and assessment



University of Oxford

You can use AI to support your studies, but acknowledge its use, especially in exams.

https://www.ox.ac.uk/students/academic/guidance/skills/ai-study



University of Cambridge

Use AI for personal study and research, but not for summative assessments without permission.

https://blendedlearning.cam.ac.uk/guidance-support/ai-and-education/using-generative-ai



University of Cambridge

Use AI effectively, ethically, and transparently. Don't use it to write entire assessments or gain an unfair advantage.

https://www.imperial.ac.uk/admin-services/library/learning-support/generative-ai-guidance/

https://www.imperial.ac.uk/engineering/departments/aeronautics/study/ug/current-students/policy-on-use-of-generative-ai-tools/



Amsterdam University College

Course Policy on using Generative AI in Advanced Research Writing (Fall 2023)

Guidelines for the course Advanced Research Writing

At the Amsterdam University College, lecturers of the bachelor course Advanced Research Writing have added GenAI guidelines to the course policy.

They believe that their students need to practice using GenAl in a responsible manner, since they will also use it in their future careers.

That's why they allow their students to use **GenAI** in the course to support their writing and use it as an assistant, as long as they adhere to certain rules and guidelines.

Rules and Guidelines apply exclusively to the course Advanced Research Writing. In other contexts, such as the Capstone, students should contact their teacher or supervisor for permission and guidelines on the use of generative AI tools.





KU Leuven

KU Leuven is open to the use of generative AI (GenAI)-technology concerning education and research and encourages her students, teaching staff and researchers to handle this technology in a responsible and critical way

KU Leuven AI for researchers

KU Leuven AI for teachers

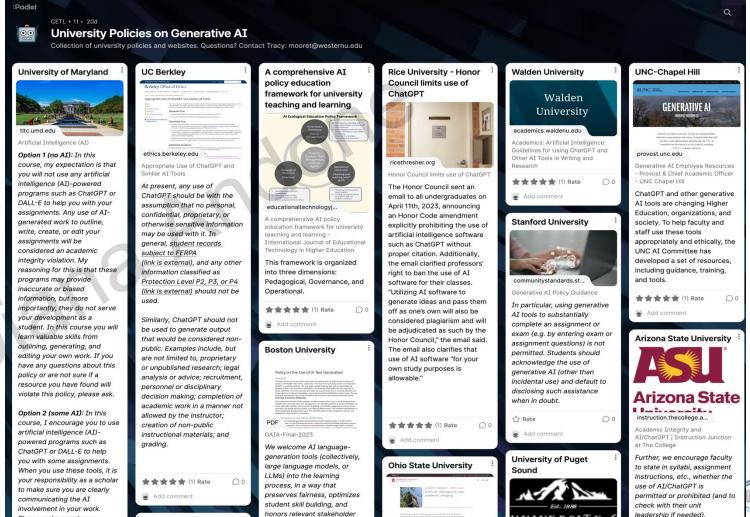
KU Leuven AI for students



USA universities

Common uses of AI span across the campus, including in personalized learning, virtual assistants and chatbots, learning analytics, grading, language translation, content and syllabus creation, research and the admissions process.

USA universities



entrul de ID/IFR și e-Learning

Please make sure to use

phrases such as "[your name]

Colorado State

perspectives.

Stanford University

Don't use AI to complete assignments or exams. Disclose AI use and follow your instructor's guidelines.

https://teachingcommons.stanford.edu/teaching-guides/artificial-intelligence-teaching-guide



Massachusetts Institute of Technology (MIT)

Don't cheat or plagiarize with AI. Use AI ethically and protect your data.

https://ist.mit.edu/ai-guidance



Harvard University

Policies vary by school and instructor. Follow your instructor's guidelines and the Honor Code.

https://oue.fas.harvard.edu/ai-guidance

https://registrar.gse.harvard.edu/Al-policy

https://www.hbs.edu/mba/handbook/standards-of-conduct/academic/chatgpt-and-ai

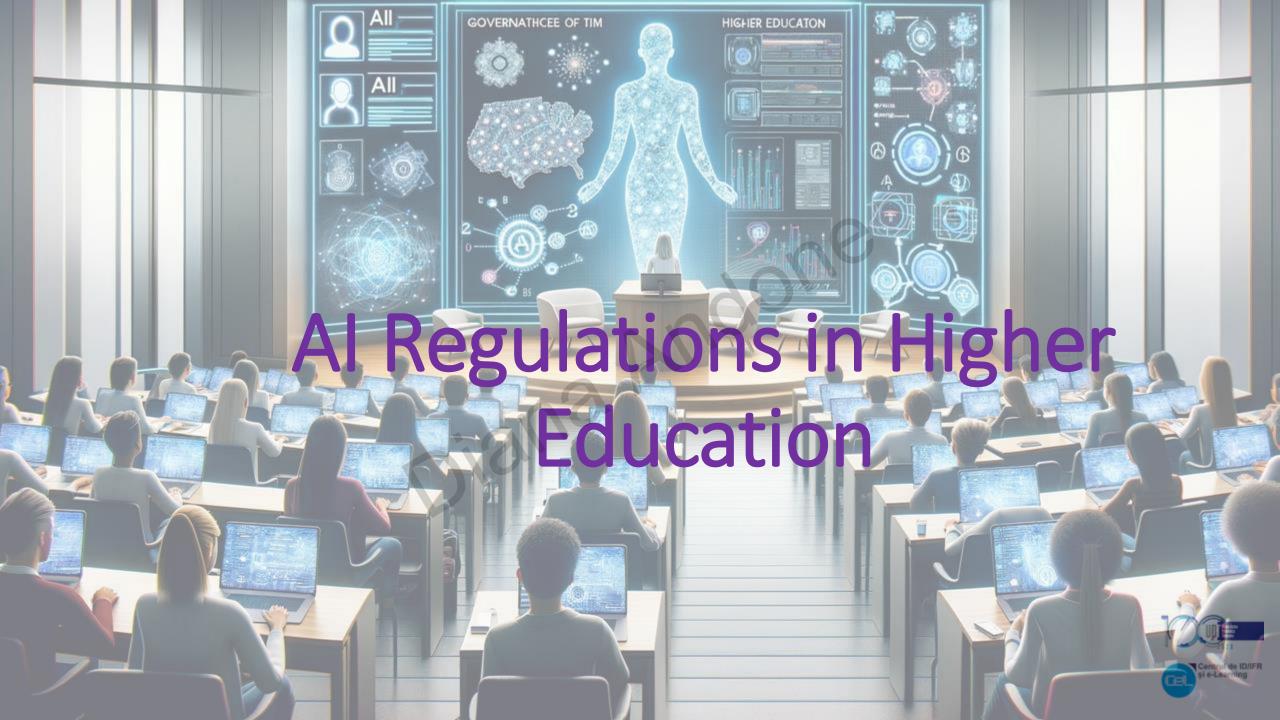


Yale University

Policies vary by instructor. Don't use AI-generated text without attribution.

https://provost.yale.edu/news/guidelines-use-generative-ai-tools





- Politehnica University of Timisoara recommendations approved by Senate on 25.05, 2023
 - The use is not forbidden, but within the ethics, author rights and authenticity regulations
 - To include a analise/process validation
 - To include the exact information which is validated (question and answer)
 - To be cited accordingly
- Changes in the Students' Authenticity declaration
 - "In the elaboration of the work I used specific tools of artificial intelligence (AI), namely _____ (name) ____ (source), which I cited in the content of the work/I did not use specific tools of artificial intelligence (AI)"
- Guidance and training with academics and students in the final year
- Validation after the finals this year



Politehnica University of Timisoara - recommendations approved by Senate on 25.05. 2023

Students may use generative AI technology to support their writing, in ways similar to how internet search engines, grammar and spell checkers, and (online) dictionaries and thesauruses are used.

- 2. Students may use generative AI as a source of information and to generate content, as long as they use the tool as an assistant, not an author.
- 3. If students use generative AI tools, they must provide full transparency about how they use them. Instructions on how to do this are provided
- 4. Students are advised to familiarize themselves with the advantages as well as disadvantages and potential risks of using generative AI. These topics will also be discussed in class.
- 5. Students who make use of generative AI tools in their writing assignments remain fully responsible for the texts they submit.



Politehnica University of Timisoara, Romania

is open to the use of generative AI (GenAI)-technology concerning education and research and encourages her students, teaching staff and researchers to handle this technology in a responsible and critical way

Al for researchers

Training
Plagiarism check

Al for teachers

Training

Guidelines

Support

Al Tools integration

Evaluation

Al for students

Training

Information

Course activities

Degrees

Tools development



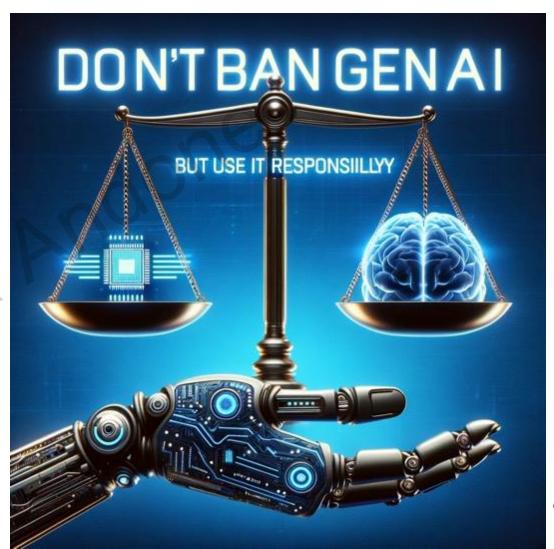
Developing AI regulations in Higher education

Don't ban GenAI, but use it responsibly

Policy considerations

Specific principles and guidelines per target group (students, teachers, researchers)

Regulations and guidelines are compulsory





Developing AI regulations in Higher education

Don't ban GenAl, but use it responsiblyTraining and guidance

Technical guidance and supervision

Safety and data security

Administrative tasks

Evaluate and adapt

Promote academic integrity





Developing AI regulations in Higher education

Collaboration, coordination, and **consistency** on AI regulation across the education and professional sectors is crucial.



Regulations, guidelines, support, partnership, development



RESPONSIBLE USE OF GENERATIVE AI

Transparent: mention how and where AI was used

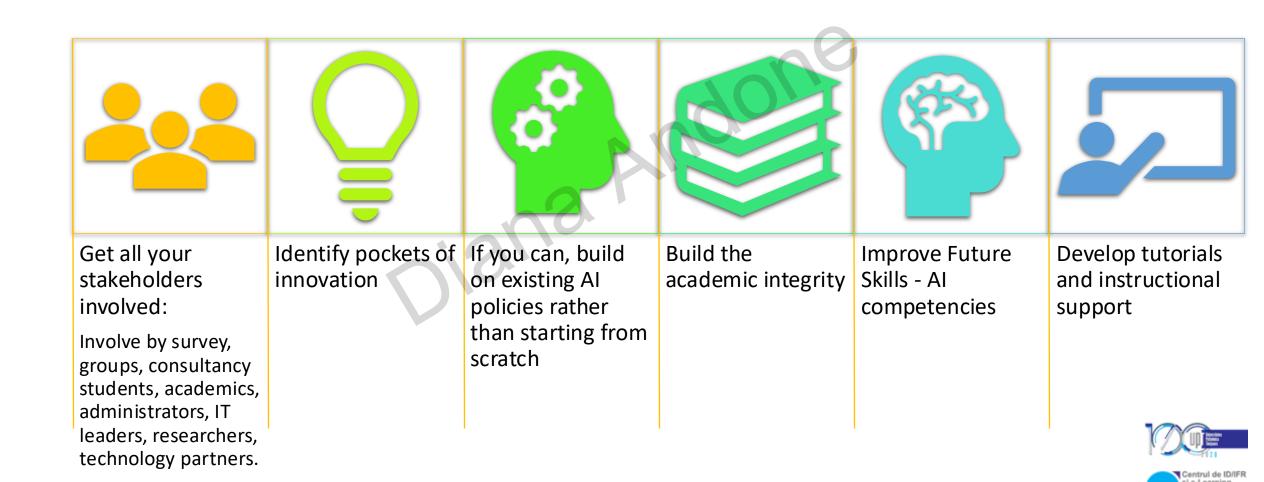


RESPONSIBLE USE OF GENERATIVE AI

Prioritize integrity Responsibility Transparency



CREATING GENERATIVE AI POLICIES



Strategic add

with Al

Engineerin

Al alignment a with yo

Competence developme Al's

Supporting streembing streembing streems

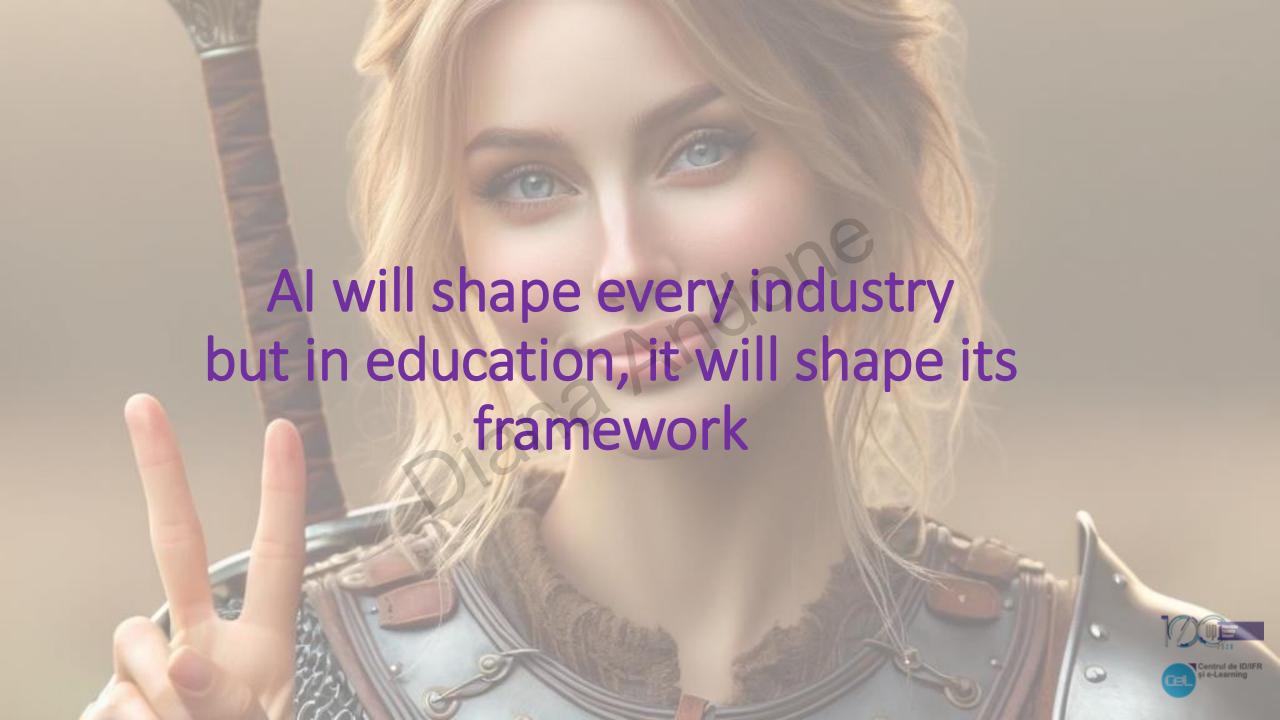
and administrato with Al too

Support Stude**itegrating** sen education

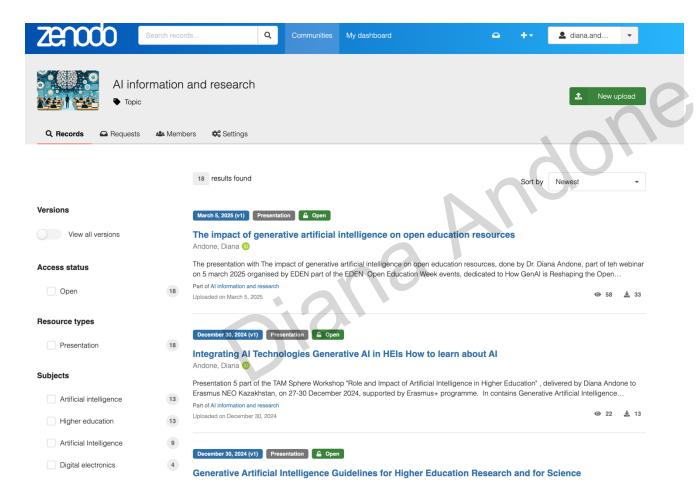
Responsible Research

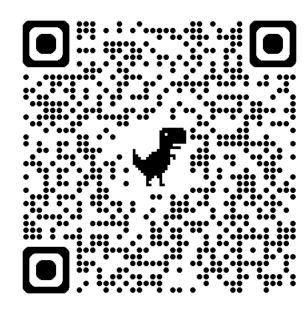
tegrity





My repository on Al







2026 IEEE DEMOcon Digital Education

2026 IEEE DEMOcon Digital Education incorporates the legacy of the IEEE Learning with MOOCs (LWMOOCs) conference with

EMOOCs European MOOCs Stakeholders Summit



24-27 June 2026 Timisoara, Romania

2026 IEEE DEMOcon Digital Education and MOOCs Conference now merged with EMOOCs - The European MOOCs Stakeholders Summit













Dr. Diana Andone

Director

Digital Education

Politehnica University of Timisoara

Romania

Email: diana.andone@upt.ro

Elearning.upt.ro/diana.andone

@diando70

IEEE Education VicePresident for Conferences

IEEE Romania Education Chair

IEEE Education Board of Governors

IEEE Computer Society, TCLT Open Chair

IEEE Education and Women in Engineering

EUA Digital Transformation Steering committee

EDEN Fellow 2011, Senior Fellow 2021

EDEN Vice-president (2017-2021)

Elearning.upt.ro
cv.upt.ro
Unicampus.ro

https://www.linkedin.com/in/dianaandone/













