

# EDULEARN<sup>25</sup>

**17TH INTERNATIONAL CONFERENCE  
ON EDUCATION AND NEW LEARNING  
TECHNOLOGIES**

**PALMA (SPAIN)  
30 JUNE - 2 JULY 2025**



## CONFERENCE PROCEEDINGS



**EDULEARN<sub>25</sub>**

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**CONFERENCE  
PROCEEDINGS**

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**EDULEARN25 Proceedings**

17th International Conference on Education and New Learning Technologies  
30 June-2 July, 2025  
Palma, Spain

**Edited by**

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## Preface

The EDULEARN25 Conference Proceedings contain papers presented at the 17th annual International Conference on Education and New Learning Technologies (EDULEARN25), which took place in Palma de Mallorca, Spain from the 30th of June to the 2nd of July 2025.

This event was an opportunity for over 800 education professionals from around the world to gather and learn about the latest innovations in education and technology through oral and poster sessions, hands-on workshops, social events, and keynote speeches by leading figures. The EDULEARN25 plenary session is available to view in IATED Talks: <https://iated.org/talks/>.

The central themes of EDULEARN25 were Educational Trends and Experiences, Pedagogical Methods and Innovations, Educational Research and Technology in Teaching and Learning.

All papers featured in these conference proceedings were blind peer-reviewed by the EDULEARN25 International Program Committee to ensure their high quality, assessed in terms of alignment with the conference topics, clarity, originality, and structure. IATED always strives uphold ethical standards; therefore, all authors named in the EDULEARN25 conference proceedings signed the IATED copyright transfer form. More information about IATED's commitment to good practice can be found here: [https://iated.org/publication\\_ethics](https://iated.org/publication_ethics).

We would like to thank all delegates again for their contributions to the EDULEARN25 Conference Proceedings.

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## EDULEARN25 Keynote Speakers

**Punya Mishra – Arizona State University, United States**



***Keynote speech:***

***Education in an age of Generative AI: Learning from the Past to Design the Future***

In an era of multiple global challenges, generative AI has emerged as a defining transformative force—generative, multimodal, and social in ways unlike previous technologies. Dr. Punya Mishra examines what generative AI genuinely is (and isn't), advocating for educators to approach it creatively, playfully, and proactively. He emphasizes that AI should enhance learning experiences rather than dictate them, while addressing significant long-term societal risks. Dr. Mishra promotes a balanced approach that recognizes AI's transformative potential while remaining vigilant about its broader implications for education and society.

***Biography:***

Punya Mishra is the Director of Innovative Learning Futures at Arizona State University's Learning Engineering Institute and Professor in the Mary Lou Fulton Teachers College. A TED-Ed educator and AERA Fellow, he is internationally recognized for his work in educational technology, creativity, and design-based educational innovation. He has received over \$11 million in grants, published over 200 articles, and edited five books. With over 64,000 citations of his work, he ranks in the top 2% of scientists worldwide (#91 in social science), and is ranked #62 (#11 in psychology) amongst scholars influencing educational policy. He previously served as Associate Dean of Scholarship & Innovation and director of doctoral programs (at MLFTC) and directed the award-winning MA in Educational Technology program at Michigan State University. He serves on ASU's Leadership Academy steering committee, AACTE's Technology and Innovation Committee, and as editor-in-residence for the Journal of Teacher Education. He is an award-winning instructor, engaging public speaker, podcaster, and accomplished visual artist.

**Laura McBain – Stanford University d.school, United States**



**Keynote speech:**

***Creativity Lesson I Learned the Hard Way: Confessions from an Education Designer Description***

As artificial intelligence and emerging technologies accelerate at an unprecedented pace, we are called to reimagine not just education—but humanity itself. What does it mean to be human in an age of machines? And how might we harness our most distinct human trait—our capacity for divergent, creative thinking—to design bold new futures for learning? In this talk, we'll explore transformative design mindsets and practices that expand our imagination, challenge the status quo, and ignite novel possibilities. Through stories, tools, and breakthrough examples from the world of education and edtech, we'll explore how embracing divergent thinking can unlock the future of learning—and of human potential.

**Biography:**

Laura McBain is a designer, adjunct professor, and Managing Director at the Stanford d.school, where she also serves as Co-Director of the K12 Lab. Her work focuses on professional education, building and sustaining strategic partnerships with companies, nonprofits, and philanthropic institutions to leverage design to lead toward innovative transformation. She is the author of *My Favorite Failure: How Setbacks Can Lead to Learning and Growth* which provides insights and narratives into how you can create the conditions to take risks and experience failure together. Laura has a Bachelors from Miami University-Oxford, Ohio and a Masters from the Harvard Graduate School of Education.



## Conference Tracks & Sessions

The EDULEARN25 conference program is available online at <https://iased.org/EDULEARN25>

### ORAL SESSIONS MONDAY

Open Learning & Open Educational Resources  
Artificial Intelligence in Higher Education (1)  
University-Industry Cooperation  
Internships & Work Experience  
ICT & Digital Skills (1)  
Computational Thinking  
Student Wellbeing (1)  
STEM Pre-service Teacher Training  
Robotics in Education  
Digital Learning Environments  
Generative AI Risks and Challenges  
International Cooperation  
Lifelong & Workplace Learning  
Vocational Training  
Coding at Schools  
Student Wellbeing (2)  
Technology-Enhanced STEM Education  
Cybersecurity Education  
Videos for Learning  
Artificial Intelligence in Higher Education (2)  
Collaborative and Team-based Learning  
Entrepreneurship Education  
Developing Soft Skills  
Generative AI in Programming Education  
Student Support  
Project-Based Learning in STEM  
New Technologies in Health Sciences Education  
Extended Reality in Technical and Vocational Training  
Personalized Learning  
Pedagogical Innovations  
Employability Trends and Challenges  
Experiences in Primary and Early Childhood Education  
Experiences in Architecture Education  
Student Engagement  
STEM Outreach Experiences  
Experiences in Health Sciences Education

### POSTER SESSIONS MONDAY

Challenges in Education and Research  
Educational Trends and Experiences

## ORAL SESSIONS TUESDAY

Virtual Reality  
Artificial Intelligence for Teachers  
Critical Thinking  
Teacher Training & Professional Development  
Experiential Learning  
Universal Design for Learning  
Mathematics Education in Schools  
Integrating Sustainable Development Goals in Education (1)  
ICT Skills among Teachers  
MOOCs & Open Educational Resources  
Generative AI for Academic and Scientific Writing  
Inquiry and Challenge Based Learning  
Professional Development of Teachers  
Learning by Making  
Special Education  
Mathematics Education in the Age of Artificial Intelligence  
Integrating Sustainable Development Goals in Education (2)  
Pre-service Teacher Training  
Digital Literacy & Media Skills  
AI-Assisted Tutoring  
Creativity & Design Thinking  
Adult and Lifelong Learning  
Assessment & Evaluation  
Accessibility & Assistive Technologies  
Business and Accounting Education in the Age of Artificial Intelligence  
Sustainability & Environmental Awareness  
Continuous Teacher Training  
e-Learning & Distance Learning  
AI-Supported Assessment  
Game-Based Learning  
Quality in Education  
Educational Management & Digital Transformation  
Inclusion & Multiculturality  
Technology-Enhanced Learning in Engineering Education  
Language Learning Innovations  
Perspectives of Teachers on Artificial Intelligence in Education  
Blended and Flipped Learning  
Learning Analytics  
Gamification  
Educational Policies  
Educational Management  
Gender Issues in Education  
Programming & Coding Education  
Technology and AI-Enhanced Language Learning  
Digital and AI Tools for Pre-service Teachers

## POSTER SESSIONS TUESDAY

Emerging Technologies in Education  
Pedagogical Innovations in Education

## **VIRTUAL SESSIONS**

### **DIGITAL & DISTANCE LEARNING**

Blended, Hybrid & Mobile Learning  
Distance Education in Times of Crisis  
e-Learning Experiences  
Learning Analytics & Educational Data Mining  
Learning Management Systems & Virtual Learning Environments  
MOOCs & Open Educational Resources

### **DIGITAL TRANSFORMATION OF EDUCATION**

21st Century Skills  
Data Science & AI in Education  
Digital Technologies and Resources for Distance Learning  
Digital Transformation

### **INNOVATIVE EDUCATIONAL TECHNOLOGIES**

Chatbots & Robots  
Generative AI in Education  
Technology Enhanced Learning  
Videos and Social Media in Education  
Virtual & Augmented Reality

### **ACTIVE & STUDENT-CENTERED LEARNING**

Active & Experiential Learning  
Developing Soft and Transversal Skills  
Gamification & Game-based Learning  
Pedagogical Innovations  
Problem & Project-Based Learning

### **ASSESSMENT, MENTORING & STUDENT SUPPORT**

Assessment & Evaluation  
Mentoring & Tutoring  
Student Support & Motivation  
Student Wellbeing

### **TEACHER TRAINING & ED. MANAGEMENT**

Educational Management  
ICT & Digital Skills  
Professional Development of Teachers  
Teacher Training and Support

### **QUALITY & IMPACT OF EDUCATION**

Experiences and Challenges in Curriculum Design  
Mobility & International Projects  
Quality in Education  
Sustainability & Social Impact of Education  
University-Industry Collaboration  
Links between Education and Research

### **EDUCATIONAL STAGES & LIFE-LONG LEARNING**

From Pre-school to Secondary Education  
Higher Education & Labour Market Transition  
Vocational Training  
Non-Formal and Informal Learning  
Life-long & Workplace Learning

**MULTICULTURALITY & INCLUSION**

Diversity Issues  
Inclusive Education  
Multicultural Education  
Special Educational Needs

**STEM EDUCATION**

Computer Science Education  
Engineering Education  
Mathematics & Statistics  
STEM Experiences

**LANGUAGE LEARNING AND TEACHING**

Foreign Languages  
Intercultural & Sociocultural Competences  
New Technologies in Language Learning

**DISCIPLINE-ORIENTED SESSIONS**

Architecture & Interior Design Education  
Business & Tourism Education  
Health Sciences Education