

# INTED **2026**

20th International  
Technology, Education and  
Development Conference

2-4 March 2026  
Valencia (Spain)

## CONFERENCE PROCEEDINGS



*Sharing the Passion for Learning*

**INTED** **2026**

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PROCEEDINGS**

***Sharing the Passion for Learning***

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## Preface

These Conference Proceedings include the papers accepted and presented at the 20th International Technology, Education and Development Conference (INTED2026), which was held in Valencia, Spain, from 2-4 March 2026. A total of 700 participants attended the conference to exchange knowledge on new pedagogical innovations and methodologies and to establish valuable professional connections.

The conference focused on topics related to education, including educational research, pedagogical innovation, technology in education, teacher training, accreditation, curriculum design, university–industry cooperation, and distance learning. The conference programme included keynote speeches, oral and poster presentations, as well as hands-on workshops. It was designed to allow participants to attend a wide variety of sessions and actively take part in the workshops delivered by leading international experts. The opening session featured keynote speeches by two leading figures, which remain available on IATED Talks (<https://iated.org/talks/>).

All articles published in these Conference Proceedings were reviewed by the INTED2026 International Programme Committee, composed of lecturers and researchers from all over the world, who conducted a peer-review process for all submitted papers. This ensured that all articles met the following criteria: content quality, relevance to the field, clarity of structure, and originality.

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We would like to express our sincere gratitude to everyone who contributed to the success of INTED2026.

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## INTED2026 Keynote Speakers

Jason Lodge – The University of Queensland, Australia



**Keynote speech:**

*The AI paradox: In supporting learning, AI is undermining it*

The proliferation of AI (particularly generative AI and automated decision-making systems) in education is forcing a reappraisal of the relationship between technology and learning. While these tools offer unprecedented efficiency, their capacity to reduce intellectual challenge directly conflicts with established principles of cognitive science. Evidence consistently demonstrates that deep, persistent learning is not a product of ease but is instead forged through productive struggle and the resolution of cognitive conflict. Removing this "desirable difficulty" risks eroding the very metacognitive and self-regulatory skills that are foundational to adapting and thriving in the age of AI. The rise of increasingly intelligent machines raises profound questions that extend beyond individual pedagogy, pointing toward the need for fundamental, system-level change. Productive struggle is a necessary catalyst for learning. Therefore, educational systems must be intentionally redesigned to preserve it, requiring a critical reimagining of assessment integrity, curriculum design, and policies on educational technologies.

**Biography:**

Professor Jason M. Lodge, PFHEA, is a Professor of Educational Psychology and Director of the Learning, Instruction, and Technology Lab in the School of Education at The University of Queensland, Australia. His work explores the cognitive and emotional mechanisms of learning with digital technologies, addressing critical questions of how technology, particularly AI, is shaping learning and education. Jason's research informs educational policy and practice across Australia and internationally. He serves as an expert advisor for the Australian Government and OECD, applying his work to enhance equitable learning for all students.

**Lev Gonick – Arizona State University, United States*****Keynote speech:******From EdTech to TechEd: The next chapter in learning's evolution***

Drawing on Tim Berners-Lee's original vision of the Semantic Web, this keynote argues that higher education is entering a decisive transition from an application-centered EdTech paradigm to a learner-centered TechEd ecosystem enabled by agentic AI. For decades, educational technology has been dominated by monolithic, institution-centric systems—LMSs, SISs, and assessment platforms—optimized for compliance, control, and administrative stability rather than learner agency. In the absence of mature intelligent agents, data has remained siloed, workflows fragmented, and learning experiences defined by friction rather than continuity.

***Biography:***

Lev Gonick is the Enterprise Chief Information Officer at Arizona State University. He leads the design and agile management of all enterprise infrastructure, applications, products, services, and analytics at the nation's largest and most innovative university. Gonick has over 30 years of experience in education, technology, and smart city architecture, and is passionate about enabling and celebrating innovation, collaboration, and productivity through the broadest possible access and utilization of next-generation technologies, including AI, XR, quantum, and broadband networks.

Gonick chairs the Sun Corridor Network, Arizona's Research and Education Network. In 2023, he received the ORBIE Award as Arizona's top large Enterprise CIO, and in 2022, EdScoop named him as one of the Top 50 Educational Technology influencers and leaders. Gonick is proud to be part of ASU's vision to be a comprehensive public research university that is measured not by whom it excludes, but by whom it includes and how they succeed.

## Conference Tracks & Sessions

The INTED2026 conference program is available online at <https://iated.org/INTED2026>

### INTERACTIVE SESSIONS SUNDAY

Future-Proofing the HE Curricula: Embedding Enduring Skills in the Age of AI  
 SMART Capture: Re-Imagining Content Capture for the 21st Century

### ORAL SESSIONS MONDAY

Competences and Skills in the Digital Era  
 AI-enhanced Learning  
 Entrepreneurship and Employability  
 Educational Management and Policies (1)  
 STEM Teachers  
 Service Learning  
 Vocational Training  
 Technology-Enhanced Language Learning  
 Videos for Learning  
 AI and Personalized Learning  
 Postgraduate Education  
 Educational Management and Policies (2)  
 Coding and Computational Thinking at Schools  
 Inclusive Education  
 Technology-Enhanced Learning in Health Sciences  
 AI-Enhanced Foreign Language Learning  
 Learning Analytics  
 Chatbots and Conversational Agents  
 Active Learning  
 Teacher Training  
 AI in Computer Science Education  
 Arts and Music Education  
 Experiences in Health Sciences Education  
 Multicultural Experiences  
 MOOCs and OERs  
 Augmented and Virtual Reality  
 Accreditation and Quality in Education  
 Collaborative Online Learning  
 Computer Science Education  
 Community Engagement  
 Challenges in Health Sciences Education  
 Exchange and Mobility Programmes

### INTERACTIVE SESSIONS MONDAY

ASU's CreateAI Platform: A Scalable Platform for EdTech Innovation  
 Designing assessment for desirable difficulties and academic integrity  
 Beyond the Slide Deck: Reinventing Oral Assessment for an AI World  
 Curiosity-Led Guidance to Improve Belonging and Learning in Early Childhood

### POSTER SESSIONS MONDAY

Emerging Technologies in Education  
 Pedagogical Innovations in Education

**ORAL SESSIONS TUESDAY**

Assessment in the age of AI  
 Integrating AI into Project-Based Learning  
 Collaborative and Team-Based Learning  
 Digital Transformation of Education  
 Education for Sustainability (1)  
 Student Skills and Outcomes  
 Tutoring and Coaching  
 Skills for Engineers  
 AI-supported Assessment and Feedback  
 AI Personal Assistants  
 Critical Thinking  
 Professional Development of Teachers  
 Education for Sustainability (2)  
 Ethical Dimension of EdTech  
 Student Support  
 Challenges in STEM Education  
 Assessment and Evaluation  
 AI Literacy  
 Game-Based Learning  
 Teachers' and Students' Perceptions of AI  
 Living Labs and Co-creation Experiences  
 Inclusion and At-Risk Students  
 Student and Youth Wellbeing  
 Business Education  
 Instructional and Curriculum Design  
 AI in Education  
 Next Generation Classroom  
 ICT Skills among Teachers  
 Creativity and Design Thinking  
 Special Education  
 Wellbeing in Education  
 Early Childhood Education  
 New Learning Pedagogies  
 e-Learning Experiences  
 Project-Based Learning  
 AI Skills among Teachers  
 Architecture and Interior Design Education  
 Adult and Lifelong Learning  
 Student Engagement and Motivation  
 STEM at Schools

**INTERACTIVE SESSIONS TUESDAY**

Integrating Generative AI into Instructional Design for HE and Professional Training  
 The AI Future-of-Work Lab: Explore, Imagine & Redesign Global Education Together  
 Assembly Required: Building the Creative Team  
 Applied Soft Skills Pedagogy: Designing Active Learning for the AI Era

**POSTER SESSIONS TUESDAY**

Challenges in Education and Research  
 Educational Trends and Experiences

**VIRTUAL SESSIONS****DIGITAL & DISTANCE LEARNING**

Distance Education in Times of Crisis  
e-Learning Experiences  
Digital Technologies and Resources for Distance Learning  
Learning Management Systems & Virtual Learning Environments

**INNOVATIVE EDUCATIONAL TECHNOLOGIES**

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

**DIGITAL TRANSFORMATION OF EDUCATION**

Digital Transformation  
Data Science & AI in Education  
Learning Analytics & Educational Data Mining  
Educational Programming & Robotics  
21st Century Skills

**ACTIVE & STUDENT-CENTERED LEARNING**

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

**ASSESSMENT, MENTORING & STUDENT SUPPORT**

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

**TEACHER TRAINING & ED. MANAGEMENT**

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

**EDUCATIONAL STAGES & LIFE-LONG LEARNING**

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

**MULTICULTURALITY & INCLUSION**

Multicultural Education  
Diversity Issues  
Inclusive Education  
Special Educational Needs

**QUALITY & IMPACT OF EDUCATION**

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

**STEM EDUCATION**

STEM Experiences  
Engineering Education  
Computer Science Education

**LANGUAGE LEARNING AND TEACHING**

Foreign Languages  
New Technologies in Language Learning  
Intercultural & Sociocultural Competences

**DISCIPLINE-ORIENTED SESSIONS**

Architecture & Interior Design Education  
Health Sciences Education