Intelligent TELA 2025
Special Session on Intelligent Technology Enhanced Learning and Assessment
Third Edition

at the **2nd IEEE Afro-Mediterranean Conference on Artificial Intelligence** (**2025 IEEE AMCAI**) Valenciennes, France, October 14-16, 2025
Conference website: https://amcai-atia.tn/

Special Session Organizers

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Objectives and topics

AI has the ability to address some of today's most pressing educational concerns, improve teaching and learning techniques, and accelerate progress toward the sustainable development goal 4, related to the quality of education.

This third edition of the special session TELA (The first session was in the framework of The Artificial Intelligence and Knowledge Engineering Conference IEEE, June 2019, Italy, the second edition in AMCAI 2023) aims at gathering researchers, experts and practitioners who are modeling, designing, prototyping, implementing and evaluating Technology Enhanced Learning and Assessment

(TELA) solutions in education and higher education and using Artificial Intelligence Tools and Frameworks. Research papers that emphasize the crucial role of AI and knowledge engineering in designing and building TELA systems and tools, are highly welcomed. This is particularly essential for modeling, design, personalization, integration and interoperability of TELA systems, and strengthens the alignment of the submitted works with the scope of our session and with the general scope of the AMCAI hosting conference.

The scope of the Intelligent TELA 2025 includes, but is not limited to the following topics :

- Intelligent TELA Modeling and Knowledge Representation (e.g. learner profiles and e-Portfolios representation, learning and assessment data interoperability and integration with LMS)
- Generative AI for Education, namely Personalizing Learning Content, Assistance for Assessment Design, Practice Material Creation, and Feedback Formulation,
- LLM Assistance in Rich Multimodal Content Creation
- Semantic Web and Ontologies for E-Learning and E-Assessment
- Design and Development of Digital Learning and Assessment Environments
- Learning and Assessment Analytics
- Artificial Intelligence in Assessment Processes
- Intelligent Game-based Learning and Assessment
- Personalization and Adaptive Learning and Assessment
- TELA strategies, scenarios, sharable experiences and success stories
- TELA with Serious Games, Virtual Reality and Augmented Reality
- TELA tools, applications, system descriptions, tutorials and demos
- Artificial Intelligence and Open Learning
- Human-Computer Interaction in Teaching Systems
- Educational Knowledge Management Technology
- Data mining, text mining and web mining in education
- Simulation in learning
- Intelligent Mentor System
- Affective Computing in Education
- Collaboration and Communication Software
- Smart learning environment
- Intelligent Tutoring systems
- AI in Education

Important dates

Paper Submission Deadline: April 15, 2025
Authors Notification: June 15, 2025
Camera Ready and Registration: July 05, 2025
Conference date: October 14-16, 2025

Program Committee

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Submission

All contributions should be original and not published elsewhere or intended to be published during the review period. The contributions should address research questions that relate to one of the topics listed above.

Authors are invited to submit their papers electronically in pdf format, through EasyChair at https://easychair.org/conferences/?conf=amcai2025 . All the special sessions are centralized as tracks in the same conference management system as the regular papers. Therefore, to submit a paper please activate the following link and select the track: *Intelligent TELA 2025: Intelligent Technology Enhanced Learning and Assessment.*

Manuscripts should be prepared in 10-point font using the IEEE 8.5" x 11" two-column conference format https://www.ieee.org/conferences/publishing/templates.html

Submitted regular papers are written in English, between 6 to 8 pages (including all figures, tables, and references).

Submissions not following these guidelines may be rejected without review. Also, submissions received after the due date, exceeding the length limit, or not appropriately structured may also not be considered.

To ensure high quality, all submissions are blind peer-reviewed by at least three reviewers from the *Intelligent TELA 2025 Program Committee*.

All accepted papers must be presented by one of the authors who must register for the conference and pay the fee.

All accepted and presented papers will be submitted to IEEE Xplore for inclusion.