

TOPICS OF INTEREST

- Intelligent Tutoring
- Learning Environments for Underrepresented Communities
- Artificial Intelligence in Education
- Human in the Loop, Understanding Human Learning on the Web in a Virtual (Digital) World
- Machine Behaviour (MB), Explainable AI, Bias in AI in Learning Environments
- Emotions, Modeling of Motivation, Metacognition and Affect Aspects of Learning, Affective Computing and ITS
- Extended Reality (XR), Virtual Reality (VR), Augmented Reality (AR), Mixed Reality (MR) in Learning Technologies
- Informal Learning Environments, Learning as a Side Effect of Interactions
- Collaborative and Group Learning, Communities of Practice and Social Networks
- Analytics and Deep Learning in Learning Systems, Educational Datamining, Educational Exploitation of Data Mining and Machine Learning Techniques
- Sentiment Analysis in Learning Environments
- Data Visualisation in Learning Environments
- Privacy, Security and Ethics in Learning Environments
- Gamification, Educational games, Simulation-based Learning and serious games
- Brain-Computer Interface applications in Intelligent Tutoring Systems
- Dialogue and Discourse During Learning Interactions
- Ubiquitous, Mobile and Cloud Learning Environments
- Virtual Pedagogical Agents and Learning Companions
- Multi-Agent and Service-Oriented Architectures for Learning and Tutoring Environments
- Single and GroupWise Action Modelling in Learning Environments
- Ontological Modeling, Semantic Web Technologies and Standards for Learning
- Empirical Studies of Learning with Technologies
- Instructional Design Principles or Design Patterns for Educational Environments

TOPICS OF INTEREST

- Authoring Tools and Development Methodologies for Advanced Learning Technologies
- Domain-Specific Learning Technologies, e.g. Language, Mathematics, Reading, Science, Medicine, Military and Industry
- Non-Conventional Interactions between Artificial Intelligence and Human Learning
- Personalized and Adaptive Learning Environments
- Adaptive Support for Learning, Models of Learners, Diagnosis and Feedback
- Recommender Systems for Learning
- Causal Modelling and Constraints-based Modelling in Intelligent Tutoring