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Final Program International Symposium on Generative AI and Education May 15-16, 2025

Hybrid Symposium: In-person and Virtual

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Springer



Welcome to ISGAIE 2025

It is with great pleasure to welcome you to The International Symposium on Generative AI and Education (ISGAIE'2025). The symposium will be held from May 15th to 16th, 2025 in Faculty of Philosophy and Arts, Malaga.

Highlights

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This symposium explores the transformative potential of ChatGPT tools within education, shedding light on the opportunities that arise through the integration of ChatGPT tools into various aspects of the learning process. It serves as a platform for the community to share cutting-edge research ideas concerning the use of the ChatGPT tool in digital education. Participants will discover how ChatGPT tools can enhance student engagement, foster personalized learning experiences, facilitate intelligent tutoring systems, support virtual classroom interactions, and revolutionize assessment and feedback mechanisms.

ISGAIE'2025 is a symposium focusing on the challenges and the future implications of the large language models in education, discussing emerging trends, potential advancements, and their impact on teaching, learning, and institutional practices. It also explores the ethical considerations and social implications associated with the use of large language models in education.

We are honored to organize ISGAIE 2025 in Malaga, Faculty of Philosophy and Arts, and we are looking forward to your contributions to the continued success of the symposium!

Rubén Gonzalez Vallejo

Universidad de Malaga, Espana

Mohamed Lahby

Hassan II University of Casablanca, Morocco

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ISGAIE Organizing Committee

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ISGAIE features very strong technical program in the area of Generative AI and Education.

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Keynote Speakers



Dr. Robertas Damaševičius,
Kaunas University of Technology,
Lithuanian

Biography: Prof. Dr. Robertas Damaševičius is a distinguished professor with extensive expertise in computer science, artificial intelligence, and software engineering. His research interests encompass a broad range, including machine learning, deep learning, medical imaging and computer vision. He has authored numerous high-impact publications and led interdisciplinary research projects. His work focuses on innovative AI applications across diverse fields, including healthcare and environmental science. Prof. Damaševičius is known for his multidisciplinary approach, fostering collaborations that enhance software reliability, optimize AI-driven solutions, and advance data mining methodologies in scientific and industrial contexts. His contributions continue to drive advancements in technology for societal benefit.

More info about Dr. Robertas Damaševičius activities and publications can be found in the link below:

[Dr. Robertas Damaševičius](#)

Title: Designing Engaging Digital Escape Rooms for STEM Education: The Role of Generative AI



Dr. Elisa Schaeffer
School Collège LaSalle
Montréal Quebec, Canada

Biography: Dr. Elisa Schaeffer (<https://orcid.org/0000-0001-6300-7208>) is an Associate Professor of Applied Digital Intelligence and the Academic Director of Technology and Innovation at the McGill School of Continuing Studies. She has a keen interest in computational intelligence, and her research jumps around the potential applications of graph theory and machine learning, touching areas such as social sciences, medicine, economics, and forestry. She is passionate about digital learning, real-time and asynchronous, and an early adopter of emerging software and hardware solutions to facilitate teaching and research, especially open-source solutions

More info about Dr. Elisa Schaeffer activities and publications can be found in the link below:

[Dr. Elisa Schaeffer](#)

Title: Reducing the Digital Carbon Footprint of GenAI in Education



Dr. Muhammad Mujtaba Asad

Sukkur IBA University
Pakistan

Biography: Dr. Muhammad Mujtaba Asad is serving as an Assistant Professor and Lead Researcher of Educational Technologies and TVET Research Group at Sukkur IBA University. Dr Mujtaba has national and international working experience of more than 10 years at industrial and educational sector in the domain of Educational Technologies, Work & Product-Based Education and Technical and Vocational Education. Dr. Mujtaba has published more than Sixty (60) research articles (ISI & Scopus Indexed) in reputed international journals and conferences worldwide. Also, a book related to the observational skills of competent educators under the CS publishing house USA is in his publication credit. He has also received three Gold, one Silver and one Bronze medal in international research and development completions with seven best research awards in Malaysia, Korea, Saudi Arabia, Pakistan and UAE on his commercialized projects. Moreover, Dr. Mujtaba is also an active member of Seven (7) national and international research grants. Dr. Mujtaba is also an internationally certified educational technologist (Malaysian Board of Technologist) and holds certifications and qualification in industrial safety and health education from NIOSH and OSH Department of Ontario, Canada. He is also serving as an Editorial Board Member to twelve (12) reputed and indexed international journals. Dr. Mujtaba also holds several international Copyrights and has filed one Product Patent under the title of HAZFO Expert 1.0 for Drilling Operation. He had been awarded an honorary lifetime International Ambassadorship by University Tun Hussein Onn Malaysia based on his academic achievements and community services. Dr. Mujtaba has also been awarded the title of approved PhD and MPhil/MS Supervisor by Higher Education Commission of Pakistan.

Title: Audio-Visual Flipped Classrooms: A Pathway to Improved Self-Regulated Learning



Dr. Ahmad Samer Wazan

Zayed and Toulouse
Universities

Biography: Dr Ahmad Samer Wazan is an Associate Professor at Zayed and Toulouse Universities. His research topics include trust management, PKI, access control, OS security, security requirements engineering, and AI in education. Between 2007 and 2011, he led a research project that introduced a new trust model for the X.509 standard by incorporating an entity called the Trust Broker. This proposal was included in the 2016 edition of the X.509 standard. He also collaborated with researchers from the UK and France to implement the first proof-of-concept verifiable credential system. Recently, he conducted a research project proposing a new command, sr (switch role), to replace the sudo command in Linux environments (<https://github.com/SamerW/RootAsRole>). Furthermore, Mr. Wazan is actively working on AI integration in education. He has developed a new chatbot called Socrates Chatbot that he is using in his classroom. He has also developed a methodology to evaluate students' thinking as they use AI during exams. Mr. Wazan has published a chapter detailing his findings and recommendations for designing and delivering courses in the AI era, available here: https://link.springer.com/chapter/10.1007/978-3-031-65691-0_18

Title: How to Integrate AI into Education: Course Design, Delivery and Assessment

**Program at a Glance of the International Symposium on Generative AI and Education
(ISGAIE'2025)**
Malaga, Spain – May 15-16, 2025
<https://research-conf.com/isgaie25/>



PRESENTATION GUIDELINES

- All presentations should be in English.
- Each presentation is 8-10 minutes long with five (5) minutes for Q/As.
- According to Springer guidelines, any paper that is not presented will be excluded from the conference proceedings.

Date	Time	Event
Day 1 – Thursday May 15th, 2025	09:30 am – 10:00 am	Opening Ceremony Prof. Rubén Gonzalez Vallejo (Universidad de Malaga, Espana) Prof. Mohamed Lahby (UH2C, ENSC, Morocco)
	10:00 am – 11:00 am	Keynote Speaker 1 Prof. Robertas Damaševičius (Kaunas University of Technology, Lithuania)
	11:00 am – 11:10 am	Coffee Break
	11:10 am – 01:00 pm	Session 1: Generative AI in Education: An Overview
	01:00 pm – 03:00 pm	Lunch
	03:00 pm – 04:00 pm	Keynote Speaker 2 Prof. Muhammad Mujtaba Asad (Sukkur IBA University Pakistan)
	04:00 pm – 04:10 pm	Coffee Break
	04:10 pm – 05:40 pm	Session 2: Personalized Learning and Intelligent Tutoring with Generative AI
	05:40 pm – 07:00 pm	Session 3: Generative AI for Educational Assessment
Day 2 – Friday, May 16, 2025	09:00 am – 10:00 am	Keynote Speaker 3 Prof. Ahmad Samer Wazan (Zayed and Toulouse Universities)
	10:00 am – 10:10 am	Coffee Break
	10:10 am – 12:10 pm	Session 4: Generative AI in Specialized Educational Contexts
	12:10 pm – 03:00 pm	Lunch
	03:00 pm – 04:00 pm	Keynote Speaker 4 Prof. Elisa Schaeffer (Collège LaSalle Montréal Quebec, Canada)
	04:00 pm – 04:10 pm	Coffee Break
	04:10 pm – 05:40 pm	Session 5: Case Studies and Practical Applications of Generative AI in Education
	05:40 pm – 07:00 pm	Session 6: Online Session 6: Ethical considerations and Responsible Use of Generative AI
	07:00 pm - 07:30 pm	Closing Ceremony

Full ISGAIE 2025 Symposium Program

Thursday, May15th, 2025

GMT+1

Time	Event
8:30 – 9:30	Registration
9:30 – 10:00	<p style="text-align: center;">Welcome & Opening Ceremony</p> <p>Prof. Rubén Gonzalez Vallejo (General Chair, Universidad de Malaga, Espana) Prof. Mohamed Lahby (General Chair, Hassan 2 University Casablanca, Moroc)</p> <p>Meeting Link: https://us06web.zoom.us/j/xxxxx</p>
10:00 – 11:00	<p>Keynote Speaker 1: “Designing Engaging Digital Escape Rooms for STEM Education: The Role of Generative AI” Prof. Robertas Damaševičius (Kaunas University of Technology, Lithuania)</p> <p>Chair: Rubén Gonzalez Vallejo (Universidad de Malaga, Espana) Meeting link: https://us06web.zoom.us/j/xxxxx</p>
11:00 – 11:10	Coffee break
11:10 – 01:00	<p>Online Session 1:Generative AI in Education: An Overview Session Chair :Dr. X Meeting link: https://us06web.zoom.us/j/xxxxx</p> <ol style="list-style-type: none"> 1. Toward a New Instructional Design Methodology in the Era of Generative AI (idPaper#86) Mohamed Ramadane, Sonja Meyer, Doris Bohneta (HTWG Konstanz - University of Applied Sciences, Konstanz, Germany) 2. The Transformative Influence of Generative AI on Teaching and Learning (idPaper#53) 3. The Adoption of Intelligent Tutoring Systems (ITS) for AcademicEducation: A Cross-Cultural Comparative Study of Moroccan and Chinese University Students (idPaper#146) 4. Higher Education Students' Perceptions of LLMs: A Questionnaire-Based Analysis of ChatGPT Usage and Concerns (idPaper#140) 5. Exploring ChatGPT Adoption AmongTeacherEducators in HigherEducation: An Extended UTAUT2 Approach (idPaper#74) 6. Preservice teachers' extent of knowledge and willingness to adopt GenAI in higher education (idPaper#21) 7. Intelligent ERP Systems for Banking and Education Industry: A Review (idPaper#148) 8. Pedagogical Approaches and Teaching Practices in the AI Era (idPaper#119) Mohamed Ramadane, Sonja Meyer, Doris Bohneta (HTWG Konstanz - University of Applied Sciences, Konstanz, Germany)
1:00 – 3:00	Lunch Break
3:00 – 4:00	<p>Keynote Speaker 2: “Audio-Visual Flipped Classrooms: A Pathway to Improved Self-Regulated Learning” Prof. Muhammad Mujtaba Asad (Sukkur IBA University Pakistan) Chair: Salim El khediri (Qassim University, Saudi Arabia)</p>

4:00 – 4:10	Coffee break
04:10 – 5:40	<p>Online Session 2: Personalized Learning and Intelligent Tutoring with Generative AI Session Chair :Dr. X Meeting link: https://meet.google.com/X</p> <ol style="list-style-type: none"> 1. Harnessing ChatGPT-4o for Personalized Online Learning (idPaper#69) <i>Mohamed Ramadane, Sonja Meyer, Doris Bohneta (HTWG Konstanz - University of Applied Sciences, Konstanz, Germany)</i> 2. Empowering Minds: The Impact of AI Tools on Personalized Learning and Cognitive Development in Diverse Educational Settings (idPaper#90) 3. LLaMa-based Personalized Learning: Fine-Tuning Generative AI in Educational Recommendations (idPaper#93) 4. Transforming digital education: ChatGPT in personalizing learning and intelligent tutoring (idPaper#107) 5. Bridging the Gap: Generative AI for Personalized Learning and Intelligent Tutoring (idPaper#137) 6. Generative AI in reshaping Higher Education: Human Sciences Master Students at FLDM-USMBA as a case study (idPaper#9) 7. Generative AI in Medical Education: Personalized Learning with Deepfakes, LLMs, and RAG (idPaper#142)
05:40 – 7:00	<p>Online Session 3: Generative AI for Educational Assessment Session Chair :Dr. X Meeting link: https://meet.google.com/X</p> <ol style="list-style-type: none"> 1. Assessment in education using IA: A bibliometric analysis (idPaper#56) <i>Mohamed Ramadane, Sonja Meyer, Doris Bohneta (HTWG Konstanz - University of Applied Sciences, Konstanz, Germany)</i> 2. Digital Badges and Motivation: First-Year University Students' Perceptions (idPaper#66) 3. ChatGPT as an assessment and feedback tool in higher education: opportunities, challenges and ethics (idPaper#106) 4. Enhancing E-learning Evaluation through Generative AI: Personalizing Assessment and Feedback during Learning Experience (idPaper#134) 5. Evaluating Educational Content Through Virtual Student Simulations Using Large Language Models (idPaper#64) 6. Predictive Learning Analytics: Leveraging Generative AI for Enhanced Academic Performance Prediction (idPaper#127) 7. Acceptance of Gamified Formative Assessment in an Inclusive Approach: The Case of Moroccan Middle School Students (idPaper#67)

FRIDAY, May16th, 2025

09:00 – 10:00	<p>Keynote Speaker 3:“ How to Integrate AI into Education: Course Design, Delivery and Assessment” Prof. Ahmad Samer Wazan (Zayed and Toulouse Universities) Chair: Rachid SAADANE (EHTTP, Casablanca, Morocco) Meeting link: https://us06web.zoom.us/j/xxxxxxx</p>
10:00 – 10:10	Coffee break
10:10 – 12:10	<p>Online Session 4:Generative AI in Specialized Educational Contexts Session Chair: Dr. XXXXX Meeting link: https://us06web.zoom.us/j/xxxxx</p> <ol style="list-style-type: none"> 1. Harnessing Generative AI for new Education: Developing a Wisdom Intervention for Indian school students (idPaper#29) <i>Anas Bouaouda, Yassine Sayoutia (FST Mohammedia, Hassan II University of Casablanca, Morocco)</i> 2. Understanding Students' Continued Use of Generative AI in Learning: The Critical Role of Prompting Capacity (idPaper#42) 3. Hybridization of Animal Biologypractical work: Innovative pedagogical design through Generative Artificial Intelligence (idPaper# 145) 4. An Inclusive Model for AI Skills Acquisition by Future Engineers in the Context of Industry 5.0 (idPaper#85) 5. Modeling an Intelligent Educational Ecosystem for Training Logistics Entrepreneurs via AI and Data Science(idPaper# 141) 6. Islamic Education Learning Outcome: A Comparative Study of Virtual TeachingAssistants Powered by Generative AI Versus TraditionalTeacher-Led Instruction (idPaper#59) 7. AI-Powered EMI Classroom: EnhancingAcademicUnderstanding and Engagement (idPaper#87)
12:10 – 3:00	Lunch Break
03:00 – 4:00	<p>Keynote Speaker 4:“ Reducing the Digital Carbon Footprint of GenAI in Education” Prof. Elisa Schaeffer (Collège LaSalle Montréal Quebec, Canada) Chair: Prof. Vasileios Paliktzoglou(Bahrain Polytechnic, Bahrain) Meeting link: https://us06web.zoom.us/j/xxxxxxxxxxx</p>
04:00 – 04:10	Coffee break
	<p>Online Session 5: Case Studies and Practical Applications of Generative AI in Education Session Chair: Dr. XXXXX Meeting link: https://us06web.zoom.us/j/xxxxx</p> <ol style="list-style-type: none"> 1. Data migration from Symphony to Koha: Hassan II University experience (idPaper#6) 2. What Role Can AI Play in IdentifyingStruggling Students on Online Learning Platforms in HigherEducation? (idPaper#45) 3. Beyond Automation: Generative Artificial Intelligence and the Evolution of

<p>4:10 – 5:40</p>	<p>Knowledge Management for Educational Impact(idPaper#75)</p> <ol style="list-style-type: none"> 4. Automated Question Generation with AI: Enhancing Educational Systems Using LLMs at Cadi Ayyad University and UniDistanceSwitzerland (idPaper#115) 5. Evaluating ChatGPT and DeepSeek for Science Education: A Comparative Analysis of AI-Powered Learning Assistants (idPaper#132) 6. Modeling Sustainable Production Systems and Ecological Transition: The Key Role of Education Based on AI in the Green Economy (idPaper#151) 7. Entrepreneurship and financial literacy through ChatGPT: educational innovation in virtual learning environments (idPaper#105)
<p>5:40 – 7:00</p>	<p>Online Session 6: Ethical considerations and Responsible Use of Generative AI Session Chair: Dr. XXXXX</p> <p>Meeting link: https://us06web.zoom.us/j/xxxxx</p> <ol style="list-style-type: none"> 1. Questioning the Narrative of Generative AI and the Metaverse in Education: A Mixed-Methods Study of Moroccan Teachers' Perceptions and Behavioural Intentions (idPaper#8) 2. Leveraging Keystroke Dynamics to Detect Identity Fraud and AI-Driven Cheating in Online Education (idPaper#18) 3. Preservice teachers' extent of knowledge and willingness to adopt GenAI in higher education (idPaper#21) 4. Attitude toward Artificial Intelligence among Teacher Aspirants in an Emerging AI Landscape: A Gender-Based Analysis (idPaper#22) 5. Gender and Educational Attainment Dynamics on Artificial Intelligence (idPaper#27)
<p>7:00</p>	<p style="text-align: center;">Closing Ceremony</p> <p>Meeting Link: https://us06web.zoom.us/j/xxxxxxxxxx</p>

About Malaga



Malaga is a municipality of Spain, capital of the Province of Málaga, in the autonomous community of Andalusia. With a population of 591,637 in 2024, it is the second-most populous city in Andalusia and the sixth most populous in the country. It lies in Southern Iberia on the Costa del Sol ("Coast of the Sun") of the Mediterranean, primarily in the left bank of the Guadalhorce. The urban core originally developed in the space between the Gibralfaro Hill and the Guadalmedina.

Málaga's history spans about 2,800 years, making it one of the oldest continuously inhabited cities in Western Europe. According to most scholars, it was founded about 770 BC by the Phoenicians from Tyre as Malaka. From the 6th century BC the city was under the hegemony of Ancient Carthage, and from 218 BC, it was under Roman rule, economically prospering owing to garum production. In the 8th century, after a period of Visigothic and Byzantine rule, it was placed under Islamic rule. In 1487, the Crown of Castile gained control in the midst of the Granada War. In the 19th century, the city underwent a period of industrialisation followed by a decay in all socioeconomic parameters in the last third of the century.

The most important business sectors in Málaga are tourism, construction and technology services, but other sectors such as transportation and logistics are beginning to expand. Málaga has consolidated as a tech hub, with companies mainly concentrated in the Málaga TechPark (Technology Park of Andalusia). It hosts the headquarters of the region's largest bank, Unicaja, and it is the fourth-ranking city in Spain in terms of economic activity behind Madrid, Barcelona and Valencia. Regarding transportation, Málaga is served by the Málaga–Costa del Sol Airport and the Port of Málaga, and the city was connected to the high-speed railway network in 2007.

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