SpicE

Special EduCation **STEAM Academy**

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SpicE International Conference on Inclusive STEAM Education

30 – 31 May 2025

Hellenic Open University
Patras, Greece

SPICE CONFERENCE PROGRAM

DAY 1 - May 30th 2025 Attendance link: https://youtube.com/live/XAmRcEWm-04?feature=share	
Time (Greece time)	**Session**
14.45-15.00	**Opening**
15.00-16.30	**Plenary Session: The SpicE project** Moderator: Magda Spella - Hellenic Open University
15.00 – 15.10	*Presentation of the SpicE project* (Achilles Kameas, Hellenic Open University)
15.10 – 15.25	*Perspectives of Inclusive STEAM Education for students with Mild Disabilities in the context of an evolving school reality* (Ioannis Agaliotis, University of Macedonia)
15.25 – 15.40	*The STEAMComp InclEdu Competences framework* (G.Sakellaropoulou & N. Spyropoulou, Hellenic Open University)
15.40 – 15.55	*The development of teachers' inclusive STEAM education competences in the context of the SpicE project* (M. Papaevripidou & Y. Pavlou – University of Cyprus)
15.55 – 16.10	*Active methodologies for STEAM teacher training from an inclusive perspective* (R. Martínez – University of Alicante)
16:10 – 16: 20	*Building the Future - Inclusive STEAM in Bulgaria* (V. Todorova & M. Zhelyazkova - Trakia University)
16:20 – 16:30	*Presentation of the SpicE Virtual Learning Environment (VLE)* (O. Vlachonikolos - Readlab)
16.30-17.00	**Coffee break**
17.00-18.30	**Panel on New technological approaches in Inclusive STEAM education** Moderator: Magda Spella - Hellenic Open University
17.00-17.10	*Uses of VR in STEAM education* ()
17.10-17.20	*Artificial Intelligence in Education: Applications and Tools for Supporting Educators and Students* (M. Papaevripidou & T. Karafyllidis – University of Cyprus)
17.20 – 17.30	*Specifics of learning difficulties – new technological approaches* (I. Boneva – Trakia University
17.30 – 17.40	*Advanced technology-enhanced Inclusive STEAM Education* (S. Papadakis - Hellenic Open University)
17:40 – 18:10	Panel discussion (moderated by A. Kameas - Hellenic Open University). *New technological approaches in inclusive steam education*.
18:10 – 19:00	**Presentations from the call for abstracts** Moderator: Magda Spella - Hellenic Open University
18:10 – 18:20	*What if…I observe, think and act!* (E. Ripamonti, Italy)
18:20 – 18:30	*The Role of Art in the Inclusion of Students with Special Needs in STEAM Environments* (L. Mesquita da Fonseca, Portugal)
18:30 – 18:40	*Empowering Educators for Inclusive STEAM Pedagogy in Primary Education: A Multi-Phase Professional Development Model Inspired by the SpicE Academy* (A. Nikolakopoulou, Greece)

18:40 – 18:50	*Inclusion in the Context of Interdisciplinary Learning* (K. Fratrovic & S. Markovic-Zoraj, Croatia)
18:50 – 19:00	*STEAM Education and Teacher Professional Development: A Study of Arts Integration Strategies* (I. Ebekue, Nigeria)
19:00 – 20:00	**Conference reception**

DAY 2 - May 31st 2025 **Attendance link: https://youtube.com/live/hGXU_37JM7E?feature=share**	
Time (Greece time)	**Session**
9.30-10.30	**Plenary Session: The future of Inclusive STEAM Education**
9.30 - 9.45	*Supporting Integrated STEM Education and Inclusion through Scientix®* (E. Vlachou, European Schoolnet)
9.45 - 10.00	*The SpicE Alliance* (M. Spella, Hellenic Open University)
10.00 - 10.15	*Policy Development in Inclusive STEAM Education* (MOECSY)
10.15 - 10.30	Discussion
10.30 - 11.00	**Coffee break**
11.00 – 12.00	**Presentations from the call for abstracts** Moderator: Magda Spella - Hellenic Open University
11.00 – 11.10	*EİRENE - Cosmic Citizenship: Creative Thinking and Sustainable Society Design* (N. Yamaç Şahin, F. Öncüoğlu & Z. Varol, Turkiye)
11.10 – 11.20	*Teacher from STEM Campaign*
11.20 – 11.30	*Teaching 'Speed' in an Inclusive Elementary Classroom: A STEAM Approach for Diverse Learners* (S. Papadakis, G. Fakiolakis, & S. Lazaropoulos, Greece)
11.30 – 11.40	*STEAM Education in Practice: A Case Study from Escola Montessori Rubí* (E. Köchig & B. Lores-Gómez, Spain)
11.40 – 11.50	*Inclusive STEAM Adventures: Designing a digital learning quest for primary education through art and accessibility* (D. Peltekov, Bulgaria)
11.50 – 12.00	*Co-designing Research Directions for Inclusive STEAM Education in Europe* (S. Bresciani, F. Rizzo, Italy)
12.00-13.00	**Workshop on the roadmap of STEAM and Inclusive Education** Moderator: Magda Spella - Hellenic Open University
12.00 – 12.10	*The SEER – A European Vision for STE(A)M Education* (E. Vlachou, EUN, SEER)
12.10 – 12.30	*The SEER Roadmap: Indicators on Educators and Inclusion in STEAM* (J. Niewint Gori, INDIRE, SEER)
12.30 – 12.45	*Educators' Needs and Challenges for Inclusive STEAM Education* (N. Spyropoulou, Hellenic Open University, SpicE)
12.45 – 13.00	*The Role of Teachers' Collaboration in Advancing STEAM Education* (S. Savov, Education Trade Union, SpicE)
13.00-14.00	**Lunch break**
14.00-15.30	**Synergies with other Teacher Academy projects** Moderator: Magda Spella - Hellenic Open University
14.00 – 14.10	ICSE Academy
14.10 – 14:20	*Inclusion for all* (S. Costantini & M. Redžić - SENSEI project)

14:20 – 14:30	*Re-thinking and Facilitating the Learning in the Future: the STEAME-PBL Pedagogy (*G. Makrides – STEAME Academy project)
14:30 – 14:40	EQUI-T project (Barbara Gasteiger-Klicpera)
14:40 – 14:50	
14:50 – 15:00	
15:00 – 15:10	
15.10 - 15.30	Panel discussion (Moderator Achilles Kameas – Hellenic Open University)
15.30 - 16.00	**Coffee break**
16.00 - 18.10	***Parallel session I - Presentations from the call for abstracts in the Greek language – In person and online*** Moderator: Magda Spella - Hellenic Open University
16.00 – 16.10	*Designing a Renewable Energy Community* (E. Tsoureki, M. Gkana & K. Gkika, Greece)
16.10 – 16.20	*Teaching Emotions in Sophocles' Antigone through Inclusive STEAM Practices: A Creative Approach with Masks and Emerging Technologies* (G. Dimopoulou, Greece)
16.20 – 16.30	*The Parthenon in Minecraft: An Innovative Inclusive Action in 21st-Century SPICE STEAM Education* (M. Nimpi, K. Nikolopoulou, Greece)
16.30 – 16.40	*Integrating Inclusive STE(A)M practices in primary Education: The Fizzy Q Application* (Maria Barouta, Greece)
16.40 – 16.50	*"The Power on My Plate": A Project by 4th Grade Students of the 13th Primary School of Patras* (K. Georgopoulos, O. Vlachou, V. Papangelopoulou, C. Kotsopoulos & A. Visvardi, Greece)
16.50 – 17.00	*Creation of a Shadow Theater Performance with Bicycle Dynamo for Lighting* (A. Bourbou, V. Pagoulatou, Greece)
17.00 – 17.10	*From the Waves of Arts (A) to Action: When Inclusive STEAM Education Transforms Students into Active Citizens* (M. Nimpi, A. Panagiotopoulou, Greece)
17.10 – 17.20	*Digital Competences in STEAM Education: Towards an Inclusive and Equitable Future* (K. Mathiopoulos, Greece)
17.20 – 17.30	*"SOSte... the Water!"* (E. Kouneli & E. Papaefthimiou, Greece)
17.30 – 17.40	*The Construction of Odysseus' Raft – A Journey through SPICE STEAM Education* (M. Nimpi, E. Zafeiropoulou, K. Michalopoulos, A. Ifantis, E. Panagopoulou, Greece)
17.40 – 17.50	*Mirroring Emotions: Empathy through Painting in Primary School – an Inclusive STEAM Approach* (P. Kiriakidou, Greece)
17.50 – 18.00	*STEAM education, environmental studies and computational thinking: Action research in primary education* (V. Koutsokera, Greece)
18.00 – 18.10	*The Creative Contribution of the 'A' in the SPICE STEAM Project "Odysseus' Raft"* (M. Nimpi, Greece)
18.10 – 18.20	*Mathematics and Art in STEAM education* (C. Zourna, Greece)
16.00 - 17.10	***Parallel session II - Presentations from the call for abstracts in the English language – Online*** Moderator Spyros Papadakis – Hellenic Open University
16.00 – 16.10	*Integrating Entrepreneurship into Inclusive STEAM Education for Workforce Readiness Among Students in Public Universities in Anambra State, Nigeria* (G. C. Alonta, C. S. Mbaegbu & M. C. Orabueze, Nigeria)
16.10 – 16.20	*Breaking Barriers with Code: Robotics and Coding for Inclusive STE(A)M Education* (Ç. Kalkan & F. Bozkurt, Turkiye)
16.20 – 16.30	*Smart Classrooms, Smarter Inclusion: STEAM for Equitable Education* (K. Banerjee1, Dr. V. Kumar & S. Singh, India)

16.30 – 16.40	*Through Technology Towards Equal Opportunities in History Education* (M. Lukic Puskaric, Croatia)
16.40 – 16.50	*The Power of Inclusive STEAM Education in Nigerian Tertiary Education* (C. Egbo, Nigeria)
16.50 – 17.00	*Exploring the impact of absentism rate on academic performance in inclusive STEM classrooms: causes, consequences and implications for global education* (N. Ezenwosu & A. Oyeyemi, Nigeria)
17.00 – 17.10	*An Assessment of the Relationship Between Teachers' Retraining Strategies and Job Effectiveness in Special Needs Schools in Cross River State, Nigeria* (A. Ngene, E. Ikana, C. Ebele & E. Obona)