

## **STEAM for Tomorrow: From Erasmus+ Results to Skills and Policy in Higher Education**

**30 – 31 October 2025**

**Lunch to lunch**

**Johannes Kepler University Linz**

Besprechungsraum 6, Altenberger Str. 69, 4040 Linz

This international event focuses on current topics of European projects on the use and promotion of STEAM (Science, Technology, Engineering, Arts, Mathematics) methodologies in higher education.

This event aims to promote the visibility and exchange of results from Erasmus+ projects in the field of STEAM. We will focus particularly on the impact of STEAM approaches on higher education in STEM subjects. Together, we will discuss how STEAM fosters innovative learning outcomes, key competences and future skills, enables new teaching and learning methods, and contributes to the development of innovative curricula. Increasing the attractiveness of STEM studies remains at the core of our concerns, especially with a special focus on inclusion and gender equality.

### **With this event, we pursue the following goals:**

- Providing successful projects with an opportunity to disseminate their outcomes and for experts to deepen their knowledge
- Facilitating networking in the European Higher Education STEAM Community
- Deriving recommendations for policy discussions on European and national level

### **Target group:**

Participants of the event are coordinators and partners in past and current Erasmus+ partnerships on topics related to STEAM in higher education, as well as Austrian experts on STE(A)M and interested members of the European Commission working group on higher education.

We look forward to inspiring input, practical insights, and fruitful exchange that will provide new impulses for the future development of higher education with STEAM.

Thursday, October 30, 2025

11:20 **Registration**

Room: BR 6 (1<sup>st</sup> floor), UniCenter

11:30 **Joint Lunch**

JKU Mensa, UniCenter

13:00 – 13:30 **Welcome and Introduction**

**ELMAR PICHL**, Director General, Austrian Federal Ministry Women, Science and Research (BMFWF)

**ALEXANDER FREISCHLAGER**, Vice-Rector for Campus Enhancement, Digitalization and Sustainability, Johannes Kepler University Linz

**SUSANNE BUCK**, Head of department I/3 (Federal Ministry of Women, Science and Research)

**ZSOLT LAVICZA**, Professor in STEM Education Research Methods, Johannes Kepler University Linz

Room: BR 6, UniCenter

Chair of session: **SUSANNE BUCK** (Federal Ministry of Women, Science and Research)

13:30 – 14:30 **Input on the Topic of STEAM**

**HUGO PINTO DE ABREU**, European Commission – DG EAC

**THOMAS CHIU**, Associate Professor of AI and STEM Education, The Chinese University of Hong Kong

Room: BR 6, UniCenter

Chair of session: **ZSOLT LAVICZA** (Johannes Kepler University)

14:30 – 15:00 **Coffee Break & Networking**

15:00 – 16:30 **Presentation of current and completed STEAM projects**

**ABRIL ARMENTA FRANCO**, Johannes Kepler University

STEPAM: Teacher Training in Physical Activities and Embodied Learning through STEAM Education

**SOFIA BARBOSA PEREIRA**, University of Minho

STEAM Approaches at Higher Education for MIGrants, Refugees and Asylum Seekers' EmPOWERment (STEAMigPOWER)

**CARLA BARREIROS**, IT:U – Interdisciplinary Transformation University Austria  
From Founding Lab to Shaping Futures

**ANDRÁS BÁTKAI**, Vorarlberg College of Teacher Education

**CLAUDIA CARTER**, Birmingham City University  
STEAM Innovation and Curriculum: Principles and Practices

**JOSÉ MANUEL DIEGO MANTECÓN**, Universidad de Cantabria  
Building a Cross-Cultural Professional Development Program for STEAM  
Education Advancement

**KONRAD KRAINER**, University of Klagenfurt  
IMST – a sustainable STEM initiative in Austria

**YVES KREIS**, Université du Luxembourg  
STEAM-Connect

**ROLF LAVEN & ANASTASIYA SAVRAN**, University College of Education Vienna (PH  
Wien) – TU Wien  
STE[A+]M

**JANIKA LEOSTE**, Tallinn University

**ANDREW NEWMAN**, Ars Electronica  
STEAM Innovation and Curriculum

**ANGELIKA SCHMID & LILLA KORENOVA**, Comenius University Bratislava

**RÉKA SZÁSZ**, Alfréd Rényi Institute of Mathematics, Budapest  
Transforming Education with Emerging Technologies (TransEET)

Room: BR 6, UniCenter  
Chair of session: **ELISABETH ROTH** (Federal Ministry of Women, Science and  
Research)

16:30 – 17:00 **Introduction of breakout sessions** on Friday, connect with your group

Room: BR 6, UniCenter  
Chair of session: **MARIA KNAUB, KATHRIN ANZINGER** (OeAD)

17:00 – 18:00 **Tour of STEAM Labs and IT:U** with your group

19:30 **Conference Dinner**

Restaurant Stadtliebe, Landstraße 31, 4020 Linz

## Friday, October 31, 2025

### 8:30 Registration

Room: BR 6, UniCenter

### 8:50 - 9:00 Warm Up & Welcome to day 2

Room: BR 6, UniCenter

Chair of session: **ELISABETH ROTH** (Federal Ministry of Women, Science and Research), **ZSOLT LAVICZA** (Johannes Kepler University)

### 9:00 - 10:30 Breakout Sessions: Part 1

The groups will develop recommendations for: practice & research, higher education institutions, policymaking, projects. Three topics were chosen based on participants' preferences and profile. Please see page 4 for descriptions of the breakout sessions.

- **STEAM for teacher education**

Chairs of session: Alexander Kohler, Zsolt Lavicza, Mathias Tejera, Guillermo Bautista

Room: Room 410, Science Park 5

**Presentations by:**

**ZUZANA NEDVĚDOVÁ**, University of South Bohemia in České Budějovice, Faculty of Education; Integration of 3D Printing and 3D Printed Models within the STEM Approach

**JOSÉ MANUEL DOS SANTOS DOS SANTOS**, Department of Mathematics University of Coimbra; Drones, Mathematics & Education: Innovation and Impacts [DEM(I)<sup>2</sup>]

**ANDREA GHERSI**, Department of Mathematics, University of Turin; TransEET

- **STEAM for competences, skills and curricula**

Chairs of session: Elisabeth Roth, Janika Leoste, Eva Ulbrich, Brigitta Békési

Room: BR 6, UniCenter

**Presentations by:**

**EVA ULBRICH**, Stexperiments; Johannes Kepler University Linz

- **STEAM and AI**

Chairs of session: Susanne Buck, Thomas Chiu, Selen Galiç, Musa Saimon

Room: BR 6, UniCenter

**Presentations by:**

**MUSA SAIMON**, JKU Linz, School of Education; Supporting Teachers to Implement AI-enhanced STEAM Education Approach for Sustainability Education in Low-Resource Contexts

### 10:30 – 11:00 Coffee Break & Networking

**11:00 - 12:00 Breakout Sessions: Part 2**

Continue work in the same group as before and conclude work on recommendations.

- **STEAM for teacher education**  
Chairs of session: Alexander Kohler, Zsolt Lavicza, Mathias Tejera, Guillermo Bautista  
Room: Room 410, Science Park 5
- **STEAM for competences, skills and curricula**  
Chairs of session: Elisabeth Roth, Janika Leoste, Eva Ulbrich, Brigitta Békési  
Room: BR 6, UniCenter
- **STEAM and AI**  
Chairs of session: Susanne Buck, Thomas Chiu, Selen Galiç, Musa Saimon  
Room: BR 6, UniCenter

**12:00 – 12:45 Presentation and Discussion of Results in the Plenary**

Room: BR 6, UniCenter

Chair of session: each cluster from the breakout session

**12:45 – 13:00 Closing Round: Outlook and Feedback**

Room: BR 6, UniCenter

Chair of session: **SUSANNE BUCK** (Federal Ministry of Women, Science and Research)

**13:00 Joint Lunch and Informal Farewell**

**Optional: 15:00: Social Programme** (Meeting place: Tram stop “Universität”)

**Note:**

The program is subject to change. Further information on individual programme items and speakers will be provided in due course.

## Description of breakout sessions:

### **STEAM for teacher education:**

Exploring how STEAM principles can inform teacher education policies and frameworks, supporting innovative, interdisciplinary and creative pedagogies in both initial and continuing training.

### **STEAM for competences, skills and curricula:**

Focusing on policy measures that promote competence-based education, transversal skills and curriculum renewal through STEAM methodologies, aligning higher education with future skills agendas.

### **STEAM and AI:**

Considering how policy and governance can support the responsible integration of artificial intelligence within STEAM education, fostering innovation while upholding ethical and human-centred principles.