UNIVERSITATEA LUCIAN BLAGA DIN SIBIU

HPI Hasso Plattner Institut
Digital Engineering · Universität Potsdam

CLUJ IT

Asociatia Sibiu IT'

THE EMERGING TECHNOLOGIES: the drivers for digital transformation in business and education

SID 2024
Sibiu Innovation Days

24 - 25 October, Sibiu - RO

COMPETITION RULES

SID 2024 SECTION S2

HACKATHON: programming competition for students

Access to Hackathon:

Free but requires previous registration on

Registration forms section 2/3

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CENTRAL THEME

THE EMERGING TECHNOLOGIES: the drivers for digital transformation in business and education
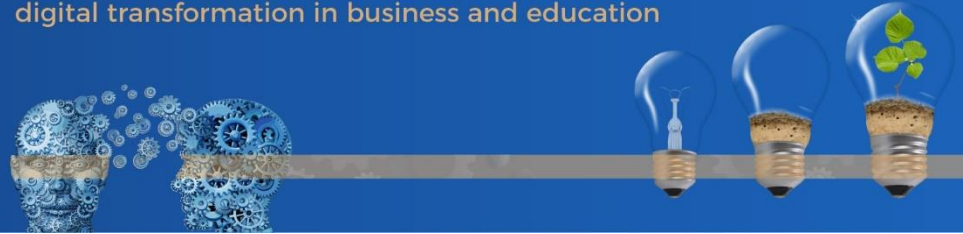
SUBTOPICS

1. Blockchain & Cybersecurity

2. Green digital transition

3. Artificial Intelligence: fairness, ethics and human-AI collaboration

4. Innovative Partnerships

5. Quantum Computing and Quantum Information

6. Education transformation: upskilling, reskilling, Life Long Learning

How to conduct the SID 2024 Hackathon

It will take place for **4 days**, of which:
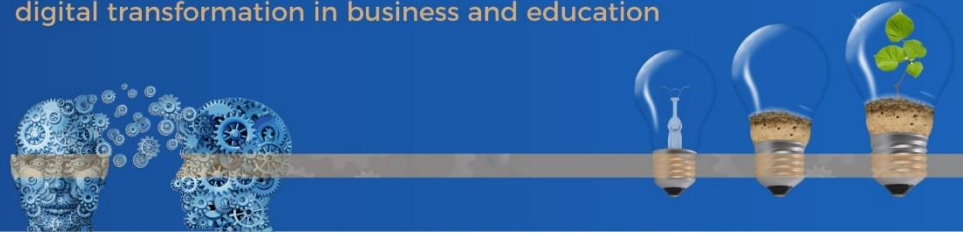- **2 days online**
- **2 days in ULBS location ([EduHub](#))**

Program:
- **DAY 1** – 2 weeks before event (most likely between **October 8-10**) – **online –** we are preparing an **Ideation Workshop,** in order to:
  - Generate new ideas
  - Generate ideas within on-going projects
- **DAY 2** – 1 week before event (most likely between **October 15-17**) – **online –** we **train** participants regarding their **Business skills** in two critical areas:
  - Business Model Canvas
  - Presentation Skills
- **DAY 3 –** the Hackathon competition – on **24.10.2024 starts at 10:30** and it **ends on 25.10.2024 at 10:30**.
- **DAY 4** – on **25.10.2024 afternoon** (around **7 p.m.**, after the panel presentations have finished), **at the end of the SID 2024 conference** will be **the pitching session** in full plenum with **the first 5 awarded projects maximum 5 minutes, followed by** the award ceremony.

COMMUNICATION OF THE CHOSEN TOPIC

- On a date that we will announce later, on the SID 2024 event website a form will be uploaded through which each participating team will communicate the chosen theme from the six announced subtopics, a short description of the project and other particularities.
- From this moment, each participating team can start the development of the project with the mention that, on the day of the competition, 24.10.2024, they will receive from the technical commission, the specific requirements of the topic, requirements that will be taken into account in judging the projects.
- Any technologies can be used to implement projects.

PROJECT PRESENTATION

- At the end of the competition, each team will have 15 minutes to present the project and then 5 minutes of Q&A.
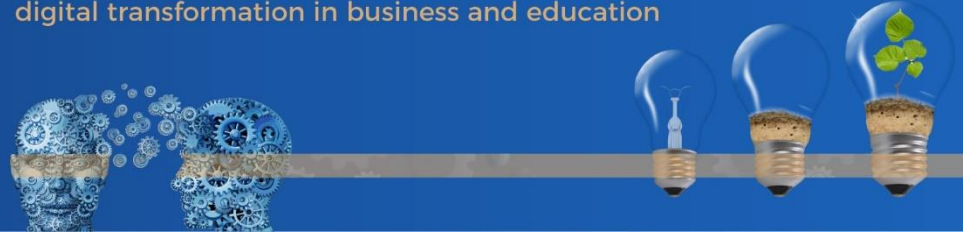- The presentation and sources will be uploaded before judging on GitHub.

JURY

The jury includes university teaching staff and representatives of companies participating in SID 2024.
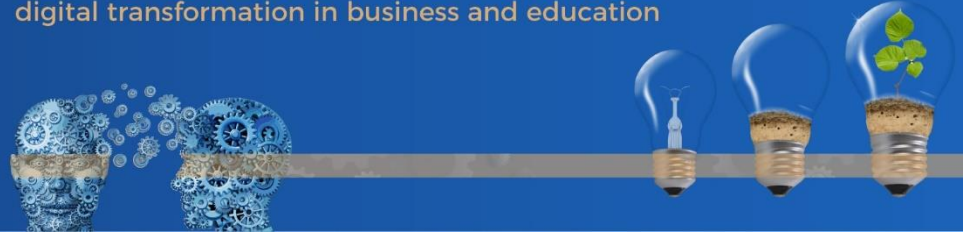
EVALUATION CRITERIAS – for SID2024 awards

1. The idea of the project and the inclusion within the chosen theme from the list. Usefulness, business case
2. Architecture. Scalability. Complexity
3. Functionality
4. Technical aspects: quality of implementation (clean code, patterns, unit testing)
5. The impact of the idea in society
6. Originality
7. Resource optimization. Sustainability
8. Clear highlighting of own solutions during the presentation

EVALUATION CRITERIAS – for CoDEMO 5.0 Innovation award

1. **Innovation**: Emphasize *creativity*, *originality*, and *feasibility* of the proposed research projects.
2. **Alignment** with **CoDEMO** themes: projects should clearly demonstrate alignment with the core themes of **Resilience**, **Sustainability**, and **Human-Centricity**.

- **Resilience:** Projects should focus on enhancing the resilience of communities, systems, or infrastructure to overcome challenges such as economic volatility, natural disasters, or social disruptions. Ideas may include resilient strategies, crisis management frameworks, or collaboration-based resilience-building initiatives.
- **Sustainability:** Projects should explore solutions to promote environmental sustainability, resource efficiency, and socio-economic development. Topics may include renewable energy technologies, sustainable strategies, circular economy models, or green infrastructure designs.
- **Human-Centricity**: Emphasizing the importance of human-centred approaches, projects should aim to improve the quality of working, foster inclusivity, and address societal needs through innovative solutions. Examples include healthcare innovations, accessible technology designs, community engagement platforms, or training interventions.

AWARDS

- **All the participants will receive gift bags from sponsors & EGLD**

- **The winners of the first three places will receive substantial prizes**

- **Facilitate free participation of the awardees (places 1 and/or 2) on 2025 NEMO summerschool from St. Etienne, France, 28-31 July 2025**

- **The *CODEMO Innovation Award @SID2024* will be awarded to the most innovative project that meets the at least 2 of 4 criteria specific to Society 5.0 - Resilience, Digital, Green and Human-centric. It can be applicable in one of the 3 sectors (Industry, Agriculture or Health) of 5.0 organizations.**