



Knowledge Sharing and Networking Event on Immersive Education

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Abstract. The IEEE Education Society Technical Committee on Immersive Learning Environments (TC-ILE) serves as a comprehensive effort for the area of Immersive Learning Environments. The aim of this activity at iLRN 2023 is to connect the IEEE TC-ILE and the iLRN community as well as to share knowledge and establish collaboration activities. A 90 minutes hybrid event is proposed during the main conference open for all iLRN 2023 participants and IEEE TC-ILE members (on site only for conference participants) to Introduce IEEE TC-ILE and working groups, to share updates on WG activities and findings, and to explore and initiate research and development collaborations.

Keywords: IEEE, Knowledge Sharing, Networking.

1 Aim of the Workshop

The aim of this activity at iLRN 2023 is to connect the IEEE TC-ILE and the iLRN community as well as to share knowledge and establish collaboration activities.

2 About IEEE TC-ILE

The IEEE Education Society Technical Committee on Immersive Learning Environments (TC-ILE) serves as a comprehensive effort for the area of Immersive Learning Environments, within the IEEE Educational Society to:

- implement the IEEE Education Society's objective: promote, advance, and disseminate state-of-the-art scientific information and resources related to the Society's field of interest;
- identify and bring together the highly disciplinary groups of researchers, practitioners, and industry of relevant fields, and
- provide professional development opportunities for academic and industry professionals.

The TC-ILE is missioned to:

- build on a network of our members
- promote events and collaborate with other communities, and
- initiate, collaborate as well as lead research and standardization activities in the field.

TC-ILE has formed working groups in specific topics of immersive education:

- Metaverse in XR Technologies
- AI / ML in ILE
- ILE in Education
- Human Factors in ILE
- Standardization in ILE

3 Proposed Activity during the Workshop

A 90 minutes hybrid event is proposed during the main conference open for all iLRN 2023 participants and IEEE TC-ILE members (on site only for conference participants) to

- introduce IEEE TC-ILE and working groups
- share updates on WG activities and findings
- explore and initiate research and development collaborations

To connect the workshop to the results of last year's workshop, the activity starts with presenting the research questions gathered from the working groups in 2022 (Dengel et al., 2022). Based on these research endeavors, the participants will join the working groups and discuss about potential research methodologies for investigating the selected questions. After this working phase, the different research methodologies will be presented and discussed with the rest of the working groups.

References

1. TC-ILE: Official Website. <https://iee-edusociety.org/technical-committee/tc-ile>.
2. Dengel, A. et al.: Research Agenda 2030: The Great Questions of Immersive Learning Research. In: Immersive Learning Research Network: 9th International Conference of the Immersive Learning Research Network, iLRN 2023, San Luis Obispo, CA, June 26-29, (2019). Springer International Publishing.