



Innovative Science Teaching in a Technology-Driven World

2024. **10.1** (火)
14:00-16:00

会 場
広 島 大 学
教 育 学 部
B 棟 1 0 1

使用言語：英語

司会進行 松浦拓也(広島大学)

オープニング

話題提供 Hye-Eun Chu (Macquarie University)

話題提供 松浦拓也(広島大学)

話題提供 石飛幹晴・岡 伸樹(広島大学・大学院生)

話題提供 中村大輝(宮崎大学)

討議・クロージング

In today's technology-driven world, the emergence of new technologies has significant potential to influence students' motivation and engagement in science learning. Despite these advancements, new technologies are not yet fully utilized in science classrooms. To address this, we must explore innovative teaching methods in science education, as well as the challenges faced in classrooms. In her presentation, Dr. Chu will introduce her group's research on developing and evaluating innovative science teaching approaches using digital tools. Her team has been involved in the development, implementation, and evaluation of arts-integrated STEM programs and SSI-integrated STEM programs. More recently, they have focused on creating AI-integrated digital tools for AI-assisted science lessons (AI-ASL), a project they have been working on for the past two years. These approaches not only aim to enhance student engagement and learning by leveraging the latest technologies and pedagogical strategies but also promote inclusive learning by enabling the preparation of personalized teaching materials. In this seminar, Dr. Chu from Australia is invited to discuss perspectives and possibilities for future-oriented collaborative research in science education, highlighting the importance of integrating innovative technologies in teaching practices.



【主催】 次世代科学教育プロジェクト研究センター

【共催】 広島大学教育ビジョン研究センター (EVRI)

<https://evri.hiroshima-u.ac.jp/29985>

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