

ISASD 2024 Workshop Proposal Form

The workshops will be held from July 8th to July 11th, 2023. Please provide the following information, which will be reviewed by the ISASD 2024 committee.

1. Workshop Title: Innovations in Integrating Advanced Technologies for Sustainable Teaching and Learning

2. Workshop Chairs:

Name	Chih-Chao Chung	Sung-Wen Yu
Affiliation	National Tainan Junior College of Nursing	National Pingtung university
E-mail	ccchung@ntin.edu.tw	oilwarm2228@gmail.com

3. Workshop Chair's Introduction (please provide a 150-word introduction):

- Dr. Chih-Chao Chung is a dedicated educator with a focus on sustainable development, educational technology, STEAM education, virtual reality, augmented reality, and problem-based learning. Currently serving at the General Education Center, National Tainan Junior College of Nursing, Taiwan, I am enthusiastic about student-centered education. With over a decade of expertise in STEM interdisciplinary teaching, digital technology-assisted instruction, and innovative teaching methodologies, I have collaborated on numerous projects funded by the National Science Council and the Ministry of Education. Dr. Chung's research emphasizes the design of engaging interdisciplinary hands-on activities, fostering students' curiosity, innovation, and problem-solving skills. Additionally, I am an advocate for the use of digital technology in education, providing interactive and personalized learning experiences to enhance educational effectiveness and equip students with information literacy and technological skills for the competitive workplace.
- Dr. Sung-Wen Yu currently serves as an assistant professor in the Department of Marketing and Distribution Management of National Pingtung University. His main research interests are Internet marketing and consumer behavior. In the past, most of the research guidance focused on behavioral aspects, especially on the application of new technologies or the impact of changes in the social environment.

Combining information and marketing expertise, Dr. Yu believes that there are many research topics that can be further explored, especially in the modern era of rapid technological development.

4. Statement of Objectives (200-500 words):

We propose a comprehensive workshop that delves into the integration of advanced technologies for sustainable teaching and learning practices across diverse educational domains. This workshop aims to provide a collaborative platform for educators, researchers, and practitioners from various fields, including but not limited to education, marketing management, culinary arts management, and healthcare management.

The workshop will explore and discuss innovative practices in leveraging emerging technologies such as artificial intelligence (AI), augmented reality (AR), virtual reality (VR), and STEAM pedagogies for sustainable transformations in education. Participants will have the opportunity to share insights, experiences, and best practices specific to their respective fields.

The objectives of the workshop include:

- Investigating the role of AI in reshaping teaching and learning environments across diverse disciplines.
- Exploring practical applications and the impact of AR and VR in immersive learning experiences within education, marketing management, culinary arts management, and healthcare management.
- Discussing the potential of meta-reality in educational settings across various fields.
- Examining the contributions of STEAM pedagogies towards sustainability in education, marketing, culinary arts, and healthcare.
- Identifying sustainable strategies for implementing advanced technologies in classrooms within different educational sectors.
- Addressing ethical and privacy challenges associated with the integration of ChatGPT in diverse educational contexts.
- Exploring entrepreneurship education as a catalyst for innovation and sustainability across education, marketing management, culinary arts management, and healthcare management.
- Discussing innovative approaches to promote mathematical literacy in general education across diverse disciplines.

- Investigating the integration of experiential learning for environmental sustainability education in natural science courses within various educational domains.

To further enhance the impact of this workshop and provide authors with an opportunity to disseminate their research findings, outstanding papers from this special workshop will be considered for recommendation to the renowned international journal "Sustainability"(SSCI). We are excited to announce the opportunity for authors to contribute to the special issue titled "Advanced Technologies in Digital and Sustainable Transformation of Teaching and Learning."

https://www.mdpi.com/journal/sustainability/special_issues/N722CC607K

5. Target Article Quantity and Expected Number of Participants:

Target Article Quantity: We anticipate the submission of approximately 5 workshop articles that delve into various aspects of integrating advanced technologies for sustainable teaching and learning.

Expected Number of Participants: We anticipate the active participation of 30-40 educators, researchers, and practitioners who share a common interest in exploring and advancing sustainable educational transformations through the integration of advanced technologies.

This workshop aligns with the overarching theme of the ISASD 2024 conference and contributes to the ongoing discourse on the intersection of emerging technologies and sustainable education.

6. Expected Technical Program Committee Members:

[Name]: Xi-Bin Lin Assistant Professor

[Affiliation]: Takming University of Science and Technology. Department of Distribution Management

[Expertise]: Cryogenic Supply Chain Management, Advanced Topics in Refrigerated Logistics, Operational Optimization, Quality Assurance in Cold Chain, and Human Factors Engineering in Temperature-Controlled Environments

[Contact Email]: twg64085@gs.takming.edu.tw

[Name]: Cheng Lung Tsai Assistant Professor

[Affiliation]: National Taitung Junior College. Department of Power Mechanical Engineering

[Expertise]: Integrated Power Systems in Vehicles, Innovative Vehicle Equipment, Practical Implementation of Vehicle Air Conditioning Systems, Electric Vehicles and Applied Practices, and Vehicle Propulsion Systems

[Contact Email]: lexus001379@ntc.edu.tw

[Name]: Chien-Lung Chen Assistant Professor

[Affiliation]: Sanming University

[Expertise]: Environmental Engineering, Engineering and Technology, environmental sciences and technology

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