4th World Conference on Physics Education

EMBRACING CHANGES TOGETHER

Contribution ID: **68** Type: **Oral presentations**

A New Sequence Model of Interdisciplinary STEM Learning: From Theory to Practice

Tuesday 27 August 2024 15:50 (20 minutes)

The presentation explores the concept of A New Sequence Model of Interdisciplinary STEM Learning (NSMISL) that does not require any radical initial change to a country's established curriculum. NSMISL aims to integrate the four core disciplines of science, technology, engineering, and mathematics, as well as subjects such as geography, economics, physics, chemistry, and art, through Collective Planning, Project-based Learning and Inquiry based learning. NSMISL also emphasises the importance of teaching and learning Physics and Artificial Intelligence, especially in relation to the emergence of Large Language Models.

How would you like to present your contribution?

Live in Kraków (time slot to be allotted based on the programme)

Target education level

General

Category

Formal Education

Primary author: Dr CONNELL, MARINA (Former University Professor & Teacher, EdTech STEM Strategist in Asian Development Bank funded project, Managing Director at Marina and John Connell Education Ltd., Edinburgh, Scotland, UK)

Presenter: Dr CONNELL, MARINA (Former University Professor & Teacher, EdTech STEM Strategist in Asian Development Bank funded project, Managing Director at Marina and John Connell Education Ltd., Edinburgh, Scotland, UK)

Session Classification: Oral presentations

Track Classification: Physics in STEM Education and Interdisciplinary Approaches