



**5th Yurii Ramskyi STE(A)M
Workshop (STE(A)M 2026)
co-located with XVIII International
Conference on Mathematics,
Science and Technology Education
(Icon-MaSTEd 2026)**

PROGRAM

Ternopil, Ukraine, May 13, 2026

14:30-17:00 (UTC+3)

Link for workshop: [https://kdpu-edu-](https://kdpu-edu-ua.zoom.us/j/85836289875?pwd=FDVyAS3fKWUJgeuICNzdWLTi8nKb3m.1)

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Meeting ID: 858 3628 9875

Passcode: 919707

Time	Authors	Title of the article
14:30	Vasyl P. Oleksiuk	Welcome remarks
14:35	Frank Angelo Pacala	Modelling the Effect of Generative AI on Students' Cognitive Load and Metacognition in STEM
14:50	Serhii Diachok, Svitlana Krepych, Iryna Spivak, Roman Krepych	An approach to creating audio summaries of education materials using artificial intelligence to support inclusive learning
15:05	Maryna Molchanova, Olexander Mazurets, Olha Zalutska, Valeria Klimenko, Olena Sobko	Explainable NLP-Based Content Moderation for Semantic Cybersecurity Awareness in STEM Education
15:20	Oksana Klochko, Ihor Tverdokhlib, Vitalii Klochko, Vasyl Fedorets, Oleksandr Sharyhin	Evaluating the Effectiveness of Extracurricular Activities in Educational Robotics
15:35	Olena Suprun, Osadchyi Viacheslav, Kateryna Osadcha, Vladyslav Kruhlyk	Developing prompt engineering skills as a tool for enhancing digital pedagogy in STEM education
15:50	Yevhenii Shapovalov, Mariia Dovha, Oleksandr Stryzhak	Comparing Human and AI Creativity: Idea Generation in the Ukrainian Language Using ChatGPT

16:05	Yaroslav Sapsai, Iryna Sapsai	Implementation of a class model in diagnosing students' interest in STEM disciplines
16:20	Nadiia Balyk, Anatolii Balyk, Yaroslav Vasylenko, Galyna Shmyger, Vasyl Oleksiuk	Implementing Digital Technologies in a University STEM Centre: A Case Study from Ukraine
16:35	Nataliia Morze, Olha Barna, Mariia Boiko	A stage-based model of STEM learning in primary school: an activity- and project-based approach
16:50	Vasyl Oleksiuk, Tetiana Vakaliuk	Session closing and farewell