



10th Workshop on Cloud Technologies in Education

# CERTIFICATE

## OF PARTICIPATION

This is to certify that

**T. A. Vasylieva**

has presented a paper titled

**Learning transformation in the context of education digitalization and  
innovation transfer: bibliometric analysis and social analytics**

at the 10th Workshop on Cloud Technologies in Education (CTE 2022)

May 23, 2022 at Kryvyi Rih National University, Kryvyi Rih, Ukraine

Prof. S. O. Semerikov  
CTE 2022 General Chair