



# CERTIFICATE OF PARTICIPATION

This is to certify that

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OLEZIA ROMANENKO, YULIIA KOVALCHUK, LIUDMYLA ALAVERDIAN**

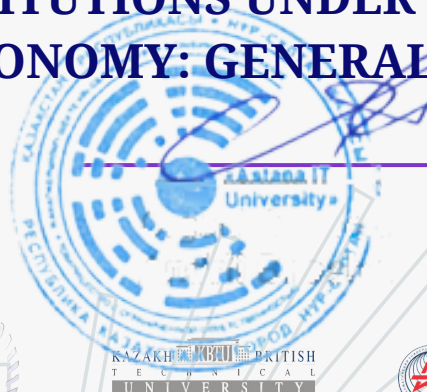
has participated in the 2023 IEEE International Conference on Smart Information Systems and Technologies held in Astana, Kazakhstan On May 4-6, 2023,

by presenting the paper titled:

**PRACTICAL APPLICATION OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN UKRAINE HIGHER EDUCATION INSTITUTIONS UNDER THE CONDITIONS OF THE DEVELOPMENT OF THE DIGITAL ECONOMY: GENERALISATION OF EXPERIENCE**

Conference Chair,  
Vice-Rector for Science and  
Innovations

Andrii Biloshchytskyi



Astana 2023 year