

VASYL STEFANYK PRACERPATHIAN NATIONAL UNIVERSITY



# CERTIFICATE

of participation

This document certifies that

**SHKURENKO Oleksandra**

attended

XVII INTERNATIONAL FREIK CONFERENCE ON PHYSICS AND TECHNOLOGY  
OF THIN FILMS AND NANOSYSTEMS

**ICPTTFN-XVII**

Yaremche, Ukraine,  
May 20-25, 2019



**Volodymyr PROKOPIV**  
(Head of Organizing Committee)

**Lyubov MEZHYLOVSKA**  
(Scientific Secretary)