



**NATIONAL TECHNICAL UNIVERSITY OF UKRAINE
“IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE”
JAN KOCHANOWSKI UNIVERSITY (JKU) IN KIELCE**

**FACULTY OF LINGUISTICS
XXI INTERNATIONAL STUDENTS R&D ONLINE CONFERENCE**

**SCIENCE AND TECHNOLOGY
OF THE XXI CENTURY**

PROGRAM

December 17, 2020

Kyiv, UKRAINE



Dear Conference Participants!
Welcome to
XXI International Students R&D Online Conference
“Science and Technology of the XXI Century”

CONFERENCE SCHEDULE

Thursday, December 17, 2020

ZOOM MEETING https://us02web.zoom.us/j/82063201791?pwd=ZkR6eJlJQkwwdnR5VWxnL0NlVnJoQT09 Meeting ID: 820 6320 1791 Passcode: 229660		
14 ⁰⁰ – 14 ⁴⁰	PLENNARY SESSION OPENING AND GREETING <i>Yuliana Lavrysh, PhD (Education), Associate Professor, Head of the Department of English for Engineering #2, Igor Sikorsky Kyiv Polytechnic Institute</i> WHAT IS THE U.S. FAMOUS FOR? SOME FACTS FROM THE HISTORY OF U.S. SCIENCE <i>Anna Nypadymka, teacher, Department of English for Engineering #2, faculty of linguistics, Igor Sikorsky Kyiv Polytechnic Institute</i> INNOVATION AND SMALL COMPANIES IN THE PRIVATE SPACE FLIGHT DOMAIN <i>Aaron Harford, Doctoral student, Igor Sikorsky Kyiv Polytechnic Institute</i> HARMIX: INTELLIGENT SERVICE THAT AUTOMATICALLY SELECTS RIGHT MUSIC FOR YOUR VIDEO <i>Nazar Ponochevnyi, student, Institute of Physics and Technology, Igor Sikorsky Kyiv Polytechnic Institute</i> UKRAINIAN FDC TEAM CYBERPUNKS <i>Pavlo Hrydin, Yuliia Shevchenko, students, Institute of Physics and Technology, Igor Sikorsky Kyiv Polytechnic Institute</i>	
15 ⁰⁰ – 16 ³⁰	DISCUSSION SESSIONS	Zoom meetings
16 ³⁰ – 17 ⁰⁰	CONFERENCE CLOSING	Zoom meeting

TIME LIMIT FOR PRESENTERS

Discussion sessions

- 10 min.

ORGANIZING COMMITTEE

Conference Chairs:

N. Seminska, candidate of technical sciences, associate professor, vice-rector for educational work, Igor Sikorsky Kyiv Polytechnic Institute

N. Saienko, PhD (Education), Full Professor, Dean of the Faculty of Linguistics, Igor Sikorsky Kyiv Polytechnic Institute

CONFERENCE LANGUAGES

- English, Polish, German, French, Spanish

I SECTION
ENGINEERING INNOVATIONS
CHEMISTRY AND CHEMICAL TECHNOLOGY
HEAT AND POWER ENGINEERING
ENERGY SAVING
NATURAL SCIENCES

15⁰⁰ – 16³⁰

Section Moderators: *Olga Kovalenko, lecturer, Department of English for Engineering #2, Igor Sikorsky Kyiv Polytechnic Institute*
Yulia Avdieienko, lecturer, Department of English for Engineering #1, Igor Sikorsky Kyiv Polytechnic Institute

ZOOM MEETING

<https://us04web.zoom.us/j/73255557528?pwd=ZUs3VmIrQ3NGU09zYUI2b0xtS0d1dz09>

Meeting ID: 732 5555 7528

Passcode: A2YW2d

<i>Denys Nevchas</i>	The Memory-Maker
<i>Diana Kercha</i>	Use of Ceramics in the World
<i>Yong Zuo</i>	Establishment of the Safety Evaluation System of Nanomaterials
<i>Vladyslav Pivtoratskiy</i>	Reconstruction of the Steam Boiler E-74-4.2-410 KT Economizer
<i>Cao Shimin</i>	Research on Development and Application of Energy Conservation Technology in Nuclear Power Plant
<i>Olha Moshchytska</i>	Development Prospects of Energy Saving Technologies in Ukraine
<i>Tetiana Haiduk</i>	Application of Nanotechnologies in the Sports Industry
<i>Alina Sikorinska</i>	Imunnology of the Infectious Process
<i>Mykola Stretovych</i>	Interpretations of Light
<i>Sophie Viatokha</i>	Etymology of the English Word-Stock

II SECTION

INNOVATIONS IN SOCIAL STUDIES MODERN INFORMATION TECHNOLOGIES

15⁰⁰ – 16⁰⁰

Section Moderators: *Olga Nazarenko, lecturer, Department of English for Engineering #2, Igor Sikorsky Kyiv Polytechnic Institute*
Oksana Tymoshenko, lecturer, Department of English for Humanities #3, Igor Sikorsky Kyiv Polytechnic Institute

ZOOM MEETING

<https://us04web.zoom.us/j/9109481106?pwd=VzlpVmZMREswSDVtU0VPMXIYNHFWQT09>

Meeting ID: 910 948 1106

Passcode: 910-948-11

*Kirill Nadieliaiev,
Yaroslav Shparuk,
Anton Shevchenko*

Management & Marketing

Elisa Beraudo

Science and Technology of the XXI Century

Andriy Didus

Night Modes in Photography

Ivan Holubov

Flexible Display: the Future of Screens

Valerii Hlushenok

Self-propelled Device with Artificial Intelligence

Mykyta Kopaniev

Hybrid Drone Control System with Secure
Emergency Messaging Channel

Ihor Ryzhuk

Dark Future of Artificial Intelligence

Dmytro Steblyna

Highly Efficient Wireless Electricity Transmission
Technology

Viktoria Tkachenko

Fast Drag Creation Using AI is an Unrealistic Task or
our Future?

Yaroslav Yakubenko

Holographic Displays