



International R&D Online Student Conference and Competition “SCIENCE AND TECHNOLOGY OF THE XXI CENTURY”

December 04, 2024
Kyiv, UKRAINE

CONFERENCE AGENDA

CONFERENCE SCHEDULE

Wednesday, December 04, 2024

ZOOM MEETING

<https://us02web.zoom.us/j/85660865732?pwd=VLQQWbHNU4oF4tT1c7trwNHjOrhu6q.1>

Meeting ID: 856 6086 5732

Passcode: 418187

<p>2:00 – 2:15 p.m. Kyiv Time</p>	<p>OPENING AND GREETING</p> <p>Zoia Kornieva, <i>Doctor of Pedagogy, Professor, Dean of the Faculty of Linguistics, Igor Sikorsky Kyiv Polytechnic Institute</i></p>
<p>2:15 – 2:30 p.m. Kyiv Time</p>	<p>KEY-NOTE SPEAKER</p> <p>AI FOR LANGUAGE LEARNING</p> <p>Yuliana Lavrysh, <i>Dr. Sc., Professor, head of the Department of English for Engineering №2, Igor Sikorsky Kyiv Polytechnic Institute</i></p>
<p>2:30 – 5:00 p.m. Kyiv Time</p>	<p>DISCUSSION SESSION</p>
<p>5:00 – 5:30 p.m. Kyiv Time</p>	<p>CONFERENCE CLOSING</p>

I SECTION

“FUTURE TRENDS IN SCIENCE AND TECHNOLOGY”

2:30 – 5:00 p.m. Kyiv Time

ZOOM MEETING

<https://us04web.zoom.us/j/6634844460?pwd=VXp2QnZ6eVU1QllJVjVLSi9SbzdPZz09>

Meeting ID: 663 484 4460

Passcode: A4D8ja

Jury members:	<p><i>Olena Pysarchyk, lecturer, Department of English for Engineering №2, Igor Sikorsky Kyiv Polytechnic Institute</i></p> <p><i>Viktor Yuskovych, Assistant, Department of Mathematical Analysis and Probability Theory, PhD in Mathematics, Igor Sikorsky Kyiv Polytechnic Institute</i></p> <p><i>Yuliia Hunchenko, National University “Yuri Kondratyuk Poltava Polytechnic”</i></p>
Nazar Boruta, Ivan Oliinyk	Software Overview for Free Video Game Localisation
Nikita Zemskyi	Future Trends in Computer Game Development Technologies
Violeta Akhmedova, Bogdana Ruzhytska	Leveraging Liver-on-a-Chip Technology for Early Drug Toxicity Prediction
Yuriy Bondarchuk	MP3 Containers-based Steganographic Systems in the Coming Decade
Oleksandr Chernyshkov	Emulating X86 Applications on Arm Architecture: Issues and Challenges
Veronika Konoreva	Current State of Development of Additive Technologies for the Production of Bulk Metal Products
Pavlo Pavlenko	Zero Trust as a Key Paradigm of Information Security in Hybrid Warfare
Elina Plisetska	On-Orbit Operations: Future of Assembly and Servicing in Space
1 Andrii Shapoval	Impulse Hardening of Excavator Bucket Teeth

II SECTION
“GLOBAL CHALLENGES AND SCIENTIFIC SOLUTIONS”
OF THE XXI CENTURY

2:30 – 5:00 p.m. Kyiv Time

ZOOM MEETING

<https://us04web.zoom.us/j/71078304254?pwd=pRbWNEwaLA8WbUXCvnmn2J1tQ8bdh9u.1>

Meeting ID: 710 7830 4254

Passcode: 7Puaf5

Jury members:	<p><i>Liudmyla Zhygzhytova, lecturer, Department of English for Engineering #2, Igor Sikorsky Kyiv Polytechnic Institute</i></p> <p><i>Alla Golovnia, candidate of Philological Sciences, Associate Professor, Department of English for Engineering #2, Igor Sikorsky Kyiv Polytechnic Institute</i></p> <p><i>Iryna Kozubska, Candidate of Philological Sciences, Associate Professor, Department of English for Humanities, Igor Sikorsky Kyiv Polytechnic Institute</i></p>
Yuliana Bilak	Application of Computer Vision for Safer and More Efficient Urban Environments
Diana Pylova	Smart Cities and Societal Impact: Advancing Urban Living
Oleksandr Lytvynenko	The Central Idea of the State: Point of View through the Social Contract Theory
Maryna Khrul	Transforming Urban Health: the Role of Biomedical Engineering in Smart Cities
Vadym Yaroshchuk	Risk-Based Security Model as a Modern Paradigm of Cyber Protection
Artem Khilchuk	Successful Adaptation Measures of Ukrainian IT-Industry in the Context of War
Oleksandr Taranenko	The Use of CHIP Technology for Novel Antibiotic Discovery
Viktoriiia Popova	An Electrochemical Biosensor for the Detection of Tumor Markers of Lung Cancer from a Patient’s Saliva Sample
Artem Tsurkan	Enhancing Osseointegration of Titanium Bioimplants through Hydroxyapatite Coatings

III SECTION

“SOFT SKILLS FOR FUTURE”

2:30 – 5:00 p.m. Kyiv Time

ZOOM MEETING

<https://us02web.zoom.us/j/85660865732?pwd=VLQQWbHNU4oF4tT1c7trwNHjOrhu6q.1>

Meeting ID: 856 6086 5732

Passcode: 418187

Jury members:	<i>Mariya Leshchenko</i> , <i>prof. dr hab, Polska Akademia Piotrkowska, Piotrków Trybunalski, Poland</i> <i>Yuliana Lavrysh</i> , <i>Dr. Sc., Professor, Department of English for Engineering №2, Igor Sikorsky Kyiv Polytechnic Institute</i> <i>Iryna Lytovchenko</i> , <i>Dr. Sc., Professor, Department of English for Engineering №2, Igor Sikorsky Kyiv Polytechnic Institute</i>
Justyna Świerczek	Development of the Third-Grade Pupils Kinesthetic Intelligence during Physical Education Classes
Honglin Yan	Teaching Spanish through Video Games: The Case of "A Trip to Valencia"
Dongsheng You	Serious video games for teaching English to piano teachers and university students of the Music Teaching Degree
Stanislav Gladkiy, Maksym Prorok	Practical Applications of Integrating Artificial Intelligence into the Education Process
Yelizaveta Batrak, Bohdana Dotsenko	Racism in Advertising and Marketing
Diana Samoray	COVID-19 Pandemic and Scientific Solutions
Daria Moskalenko	Supply Chain Adaptation Strategies: Lessons from the COVID-19 Pandemic
Anastasiia Prozor	Artificial Intelligence in Drug Discovery
Maryna Kaliuzhna	Robotics and AI
Anastasiia Lysenko	The Role of AI and Machine Learning in Predictive Climate Modeling and Environmental Management
Artem Marchenko	Potential of AI