



**NATIONAL TECHNICAL UNIVERSITY OF UKRAINE  
“IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE”**

**FACULTY OF LINGUISTICS**

**POLYTECHNIC UNIVERSITY OF THE PHILIPPINES, THE PHILIPPINES  
UNIVERSITY OF ECONOMICS IN BRATISLAVA, SLOVAKIA**

**XXII INTERNATIONAL R&D ONLINE CONFERENCE FOR  
STUDENTS AND EMERGING RESEARCHERS**

**SCIENCE AND TECHNOLOGY  
OF THE XXI CENTURY**

**PROGRAM**

**November 10, 2021**

**Kyiv, UKRAINE**



---

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

**CONFERENCE SCHEDULE**

Wednesday, November 10, 2021

**ZOOM MEETING**

<https://us06web.zoom.us/j/85922777286?pwd=SkxqL01hbUl6SHdRREewS2xBSm1sQT09>

**Meeting ID:** 859 2277 7286

**Passcode:** 10112021

14<sup>00</sup> – 15<sup>00</sup> **PLENNARY SESSION**

**OPENING AND GREETING**

**Yuliana Lavrysh**, *Dr. Sc., Assoc. prof., head of the Department of English for Engineering №2, Igor Sikorsky Kyiv Polytechnic Institute*

**PRESENTATION OF A STUDENT’S SCIENTIFIC CLUB “ENGLISH FOR SCIENCE”**

**Maryna Degtiarenko**, *PhD in Philology, teacher, Department of English for Engineering #2, faculty of linguistics, Igor Sikorsky Kyiv Polytechnic Institute*

**THE PROCESS OF ILLUSTRATING AND TRANSLATING A CHILDREN’S BOOK**

**Biščová Magdaléna**, *student, Faculty of Applied Languages, University of Economics in Bratislava, Slovakia*

**PICK UP & PLAY: DIGITAL GAME-BASED LANGUAGE ACQUISITION**

**Gabriel Angelo Mirador**, *student, College of Education, Polytechnic University of the Philippines*

**PROSPECTS OF THE DEVELOPMENT OF 5G TECHNOLOGY IN COMPARISON TO LOWER BAND SYSTEMS**

**Inna Butko, Kostiantyn Lisovskyi**, *students, Scientific and Research Institute of Telecommunication Systems, Igor Sikorsky Kyiv Polytechnic Institute*

15<sup>00</sup> – 16<sup>30</sup> **DISCUSSION SESSIONS**

Zoom meetings

16<sup>30</sup> – 17<sup>00</sup> **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, German, French

---

**I SECTION**  
**ENERGY SAVING**  
**NATURAL SCIENCES**

**15<sup>00</sup> – 16<sup>30</sup>**

**Section Moderators:** *Kateryna Havrylenko, PhD, senior lecturer, Department of English for Engineering #2, Igor Sikorsky Kyiv Polytechnic Institute*

*Svitlana Vadaska, senior lecturer, Department of English for Engineering #2, Igor Sikorsky Kyiv Polytechnic Institute*

**ZOOM MEETING**

<https://us02web.zoom.us/j/85658969774?pwd=blg0NXU4ZFVwSi9HdElkL0xyQkZoUT09>

**Meeting ID:** 856 5896 9774

**Passcode:** ESnw8Y

<i>Oleksandra Dmytriienko</i>	Improving the Efficiency of Solar Energy Converters
<i>Dymitr Lukinskyi, Alexey Troschinskiy</i>	Perspectives of Using Hydrogen as an Alternative Energy Source
<i>Olha Moshchytska</i>	Use of EMS (Energy Management System) in Reducing Energy Consumption
<i>Tanya Siryak</i>	Energy Accumulation System
<i>Vladyslav Honcharuk</i>	Application of Neuroimplans in Medicine
<i>Rodion Ivanov</i>	The Carbon Impact of Artificial Intelligence on the Environment
<i>Ostap Kalapun</i>	Patch-Clamp as the Intracellular Electrophysiology Method
<i>Anastasia Zhyhun</i>	Future Circular Collider (FCC)

---

---

**II SECTION**  
**MODERN INFORMATION TECHNOLOGIES**

**15<sup>00</sup> – 16<sup>30</sup>**

**Section Moderators:**     *Neonila Kutsenok, lecturer, Department of English for Engineering #2, Igor Sikorsky Kyiv Polytechnic Institute*  
*Roman Khmelnytskyi, lecturer, Department of English for Engineering #2, Igor Sikorsky Kyiv Polytechnic Institute*

**ZOOM MEETING**

<https://us02web.zoom.us/j/9025917100?pwd=NIJQNS9rYzVhc3Ezc1N RaWFRNWNkZz09>

**Meeting ID:** 902 591 7100

**Passcode:** 5tjZlb

<i>Oleksandra Denysenko</i>	Modern Information Technologies in Education
<i>Mykhailo Didur</i>	Programming languages based on virtual machine
<i>Olena Fedchuk</i>	Use of Passwordless Technologies as the Prime Way to Data Security
<i>Ivan Holubov</i>	Database Management Systems Move to Clouds. What Future Lies ahead for them?
<i>Vira Pyrih</i>	Cloud Computing Impact on Business
<i>Natan Smolij</i>	Cellular Automaton: Simple Simulation Tools and Language for Behavior Description
<i>Maksym Dudka, Veronika Rakhuba</i>	Ford and Toyota

---

---

**III SECTION**  
**INNOVATIONS IN SOCIAL STUDIES**

**15<sup>00</sup> – 16<sup>30</sup>**

**Section Moderators:** *Olga Nazarenko, lecturer, Department of English for Engineering #2, Igor Sikorsky Kyiv Polytechnic Institute*  
*Anna Voronina, PhD, senior lecturer, Department of English for Engineering #2, Igor Sikorsky Kyiv Polytechnic Institute*

**ZOOM MEETING**

<https://us06web.zoom.us/j/85922777286?pwd=SkxqL01hbUl6SHdRRREwS2xBSm1sQT09>

**Meeting ID:** 859 2277 7286

**Passcode:** 10112021

*Hazel Joy Baldicañas,  
Alyssa Mae Estacio,  
Julius Jalandoni,  
Nicasio Masuela,  
Princess May Mercado,  
Daniella Salazar*

Impact of Exposure to Facebook and Twitter on Senior High School Students' Reading Comprehension

*Vladyslav Bielik*

Marketing in Today's Life

*Alvin Baile Jr.,  
An Nguyen Bang,  
Jasper Caadan,  
Jerico Espinosa,  
Marjorie Marabillo,  
Joshua Pobocan,  
Marielle Jasmine Vasquez,  
Abegail Ya-on*

The Impact of Social Media Language on the Academic Writing Skills Perspective of Vietnamese EFL Learners

*Bel Charmejune S. Pascual,  
John Robbie C. de Leon,  
Ma. Lalaine M. Rebong*

Analyzing the Language Attitudes of JHS Language Teachers towards Philippine English in ESL Online Classrooms through the Mentalist Theory

*Geneva Cao,  
John Louie Cruz,  
Claire Rose Miralles,  
JV Andrew Morales,  
Ma. Ericca Orga,  
Kurt Christian Reodava,  
Monica Louise Yaneza*

Determining the Preferred Oral Corrective Feedback through Existing Internalized Language Prejudice of Students in Selected Schools of Bulacan, Marinduque, and Pampanga

---

<b><i>JV Andrew L. Morales</i></b>	Determining the Preferred Oral Corrective Feedback through Existing Internalized Prejudiced Language of Students in Selected Schools of Bulacan, Marinduque, and Pampanga
<b><i>Roman Kolesnyk, Oleksandr Durdynets</i></b>	The Influence of the Japanese Idol Subculture Gachimuchi on Mental State of Teenagers
<b><i>Tarriela Renold, Fernandez Alea Trisha, De Leon Ruth Hanna Mae, Lê Đạt, Garcia Runjet, Delos Reyes Aira Junel</i></b>	Perceptions of Online ESL/EFL Learners towards Code-Switching in a Philippine and Vietnamese Secondary School: an Exploratory Study
<b><i>Ma. Noralyn Buyoc, Ken Isabel Ferrer, Maria Cristina Flores</i></b>	English Academic Writing Proficiency Level of Grade 10 ESL (English as Second Language) Learners of Carlos L. Albert High School
<b><i>Angelica A. Pamil, Niryzza Anne A. Abogadie, Mark Andrew E. Bacarisa, Blessejoy R. Moldes, Louella Jeanne O. Nicdao, Alexa Jane R. Palma</i></b>	The Role of English Subtitles and Dubbing in the Macro Skills of ESL Learners
<b><i>Nina Tupa</i></b>	How different is grammar of Ukrainian and Russian language?
<b><i>Taras Trubaichuk</i></b>	Significance of Biological Disciplines in Social Science