

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
THE NATIONAL TECHNICAL UNIVERSITY OF UKRAINE
"IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE"
FACULTY OF LINGUISTICS**

**IX INTERNATIONAL STUDENTS' RESEARCH AND
DEVELOPMENT CONFERENCE**

**Ukrainian and Foreign Science:
Yesterday, Today, Tomorrow**

PROGRAM

December 2, 2020

Kyiv, Ukraine



*Dear Conference Participants,
welcome to
IX International Scientific Students' Theoretical and Practical Conference
Ukrainian and Foreign Science: Yesterday, Today, Tomorrow
The Conference begins on December 2, 2020*

CONFERENCE SCHEDULE

12²⁰ -13⁴⁰	PLENARY SESSION
	OPENING AND GREETING
	<p>Iryna Simkova, Doctor of Sciences (Education), Professor, Head of the Department of English Language for Humanities, Faculty of Linguistics</p> <p>THE STORY OF SUCCESS</p> <p>Kateryna Forynna, Director, English Language Centre, Office of International Programs, University of North Carolina Wilmington</p> <p>ARTIFICIAL INTELLIGENCE A PANACEA OR A CURSE?</p> <p>Yevhenii Orlov Faculty of Applied Mathematics, Igor Sikorsky Kyiv Polytechnic Institute</p> <p>GDP AND ITS TYPES</p> <p>Anna Zhluktenko, Halyna Zinchenko Faculty of Management and Marketing, Igor Sikorsky Kyiv Polytechnic Institute</p> <p>DEPRESSION IS ILLNESS OF MODERN SOCIETY. PSYCHOANALYTIC METHOD OF TREATMENT: COGNITIVE BEHAVIORAL THERAPY</p> <p>Diana Yarovykh Faculty of Biomedical Engineering, Igor Sikorsky Kyiv Polytechnic Institute</p>
13⁵⁰-14¹⁰	BREAK
14²⁰-16⁰⁰	DISCUSSION SESSIONS
16⁰⁰-16³⁰	DEBRIEFING
	Time limits for presenters
	Plenary Session – 15 min.
	Discussion Sessions – 10 min.
	Questions and Answers Session – 5 min.
	Language of the Conference – English

Organizing Committee

IX International Students' Research and Development Conference "Ukrainian and Foreign Science: Yesterday, Today, Tomorrow"

1. Nataliia Seminska Conference Chair, Ph. D. (Engineering), Associate Professor, Vice-rector for the Educational Work, Igor Sikorsky Kyiv Polytechnic Institute
2. Nataliia Saienko Program Conference Chair, Ph. D. (Education), Full Professor, Dean of the Faculty of Linguistics, Igor Sikorsky Kyiv Polytechnic Institute
3. Iryna Simkova Program Conference Chair, Sc. D. (Education), Professor, Head of the Department of English Language for Humanitie №3, Faculty of Linguistics, Igor Sikorsky Kyiv Polytechnic Institute
4. Yuliia Kornytska Organizing Committee Member, Ph. D. (Education), Associate Professor, Department of English Language for Humanities №3, Faculty of Linguistics, Igor Sikorsky Kyiv Polytechnic Institute
5. Maryna Kolisnyk Organizing Committee Member, Ph. D. (Philology), Associate Professor of the Department of English Language for Humanities №3, Faculty of Linguistics, Igor Sikorsky Kyiv Polytechnic Institute
6. Mykola Tyshchenko Organizing Committee Member, Lecturer, the Department of English Language for Humanities №3, Faculty of Linguistics, Igor Sikorsky Kyiv Polytechnic Institute
7. Inna Bilonizhka Organizing Committee Secretary, Lecturer, the Department of English Language for Humanities №3, Faculty of Linguistics, Igor Sikorsky Kyiv Polytechnic Institute

Discussion Sessions
Session 1
Engineering Sciences

Section Moderator:

Ph. D. (Philology), Associate Professor Maryna Kolisnyk

Section Secretary: Lecturer Yuliia Slobodiuk

Egor Morskyi

THE USE OF INFORMATION TECHNOLOGIES CUSTODIANS

Politechnika Rzeszowska im. Ignacego Łukasiewicza, Poland

Valentyna Grey

Danylo Antolyk

BITCOIN REASONS FOR ITS GROWTH AND A BRIEF HISTORY

Oksana Serheieva

Kateryna Artemenko

CYBER CRIMES

Iryna Boiko

Oleksandra Denysenko

HOW AI CAN ENHANCE OUR MEMORY,
WORK AND SOCIAL LIVES

Nataliia Chizhova

Mikhailo Didur

PARALLEL COMPUTING WITH BOOST.COMPUTE

Oksana Serheieva

Alexander Dudchenko, Maryna Tsukanova

RENEWABLES

Oksana Serheieva

Artem Girman

BEYOND THE LIMIT OF 50 THOUSAND WORDS OR
HOW TO IMPROVE AN ORDINARY PEN

Serhii Kononenko

Artem Hrechok

SMARTWATCHES AS A WAY TO SAVE YOUR LIFE

Mariia Levishenko

Artem Karimov

ROBOTIC ANIMALS

Oksana Serheieva

Hennadii Kochev

WHAT IS KUBERNETES AND HOW IT SOLVES
PROBLEMS OF DEPLOYMENT

Oksana Serheieva

Andrew Komarov

ELECTROMAGNETIC RADIATION DETECTOR
FOR MONITORING THE USE
OF MOBILE COMMUNICATION EQUIPMENT

Oksana Pastushenko

Igor Lishchuk

WIRELESS HEADPHONES

Mariia Levishenko

Tatiana Lugovets

CAN ALIENS CATCH A RADIO SIGNAL FROM EARTH?

Oksana Serheieva

Illia Mykhailichenko

FACIAL RECOGNITION TECHNOLOGY

Mariia Levishenko

Valerii Nikitin, Eugene Krylov

DATABASE OPTIMIZATION

Alina Medvedchuk

Yevhenii Orlov

ARTIFICIAL INTELLIGENCE A PANACEA OR A CURSE?

Nataliia Chizhova

Marharyta Pavliukivska

METHODS OF SOCIAL ENGINEERING

AS A POWERFUL WEAPON AGAINST

THE SECURITY OF INFORMATION TECHNOLOGY

Svitlana Zhytska

Victoria Pavlyk

RESULTS OF INFORMATION TECHNOLOGY DEVELOPMENT

Yulia Haidenko

Arthur Pinchuk

RAPID TECHNOLOGY DEVELOPMENT

Yulia Haidenko

Andrii Pinchuk

ROBOTICS & CONTROL SAY HELLO TO THE ROBOTS

Oksana Pastushenko

Ihor Ponomarov

VIRTUAL REALITY

Iryna Boiko

Vladyslava Rozhkovan

RESEARCH OF EXPEDIENCY OF USING OBJECT-RELATIONAL MAPPING
DEPENDING ON PROJECT'S SCALE

Oksana Serheieva

Maria Rudometova

OPERATING SYSTEMS IN MODERN TECHNOLOGIES

Svitlana Zhytska

Oleksandr Rybas

USAGE OF 3D PRINTING

Oksana Pastushenko

Oleksandr Sapozhnyk

THE IMPORTANCE OF TECHNOLOGICAL PROGRESS – VIRTUAL REALITY

Oksana Serheieva

Dmytro Shcherbyna

HYDROGEN ENERGY

Tetiana Maslova

Mykola Shevchenko, Yuliia Yuzhda
RECURRENT NEURAL NETWORKS
Alina Medvedchuk

Yehor Sliusar
THE PROJECT OF FLYING CARS
Tetiana Maslova

Denys Sobol
CYBERSECURITY
Iryna Boiko

Dmytro Steblyna
HIGHLY EFFICIENT WIRELESS ELECTRICITY
TRANSMISSION TECHNOLOGY
Oksana Tymoshenko

Anton Treushchenko
CONSEQUENCES AND ETHICAL ISSUES OF STRONG AI
Iryna Boiko

Igor Turchaninov
SMART HOUSE – A STEP TO THE FUTURE
Oksana Pastushenko

Kateryna Vandysh
MODERN INFORMATION TECHNOLOGY
Nataliia Kompanets

Yaroslav Varvarov

FOREIGN PRACTICE OF USING PIEZOELEMENTS
AS ALTERNATIVE SOURCES OF ENERGY

Tetiana Maslova

Andrii Vlasov

USE OF VERSION CONTROL IN SOFTWARE DEVELOPMENT

Oksana Serheieva

Anton Yablonovskiy

TOP 3 PYTHON FRAMEWORKS FOR WEB DEVELOPMENT

Iryna Boiko

Vladyslav Yelisevych

RESEARCH PERSPECTIVES FOR CRYPTOCURRENCIES

Iryna Boiko

Yaroslava Yemelianenko

RESEARCH ON GAME DEVELOPMENT
(INFORMATICS & INFORMATION TECHNOLOGIES)

Iryna Boiko

Yuliia Yuzhda, Mykola Shevchenko

MULTI-AGENT SYSTEMS

Alina Medvedchuk

Valeria Zabilska

THE CONCEPT OF ARTIFICIAL INTELIGENCE IN MODERN TIMES

Yulia Haidenko

Maksym Chernykh

THE ROLE OF COMPUTER SCIENCE IN MEDICINE

Nataliia Kompanets

Session 2
Social Sciences

Section Moderator:

Ph. D. (Philology), Associate Professor Hanna Kolosova.

Section Secretary: Lecturer Olha Narodovska

Erkka Hakkarainen

THE ROLE OF LINGUISTICS IN VIRTUAL COMMUNICATION

West Finland College, Finland

Nataliia Sydorko

Olexander Adamenko

INFORMATION SECURITY IN MODERN SOCIETY

Inna Borkovska

Dmitry Afanasyev

CRIMINAL LIABILITY AS A MODERN PROBLEM
OF CRIMINAL LAW IN UKRAINE

Inna Borkovska

Marina Andriychuk

DIFFERENCES OF THE CONSUMER BASKET
IN UKRAINE AND IN THE WORLD

Inna Borkovska

Darya Belova

ART THERAPY AND HOW IT WORKS

Serhii Kononenko

Daria Bieliaieva

THE INFLUENCE OF CORRUPTION ON THE DEVELOPMENT
OF UKRAINE'S ECONOMY

Yuliia Kornytska

Ann Chizhova

THE USE OF ENGLISH IN THE UKRAINIAN MARKETING

Mykola Tyshchenko

Konstantin Dmitrienko

THE CYCLICAL NATURE OF HISTORY
AS A WAY TO ANALYZE THE FUTURE

Inna Borkovska

Yulia Dovgan

THE RIGHT TO A STANDARD OF LIVING IN UKRAINE

Inna Borkovska

Vladislava Druz

THE IMPACT OF MARKETING STRATEGY ON BUSINESS PERFORMANCE

Inna Borkovska

Alina Dyakina

LEGAL REGULATION OF ELECTRONIC MEDIA

Inna Borkovska

Bogdan Gavrilovskiy

THE LEVEL OF PRESS FREEDOM AS AN INDICATOR
DEVELOPMENT OF DEMOCRACY

Inna Borkovska

Grechko Yaroslava

PERSONAL CHARACTERISTICS OF THE LEGAL PROFESSION

Inna Borkovska

Oleksandra Harnyk

21ST CENTURY EDUCATION: HOW TO
LEARN LANGUAGE WITHOUT LEAVING HOME

Serhii Kononenko

Sasha Hladysheva

OPERATION "LOCALIZATION" ON THE EXAMPLE OF UKRAINE.
SUPPORT OF DOMESTIC MANUFACTURER

Yuliia Kornytska

Oleg Holovatyuk

GENERAL CHARACTERISTICS OF CRIME
DURING CORONA DISEASE

Inna Borkovska

Karyna Kaminieva

ART DURING AND AFTER PANDEMICS

Serhii Kononenko

Yevhen Karpenko

POSITIVE AND NEGATIVE FUNCTIONS OF CONFLICTS
IN HUMAN LIFE AND SOCIETY

Yuliia Olizko

Alexander Habenyuk

EDUCATION AS A NEW TREND IN THE WORLD OF ART

Inna Borkovska

Anastasiya Kisil

RESPECT FOR HUMAN RIGHTS DURING QUARANTINE

Inna Borkovska

Olha Klymovych

THE PHENOMENON OF DUTCH DISEASE

Yuliia Kornytska

Vadim Klyshkan

PROBLEMS IN SOCIETY AND THEIR SOLUTIONS AND
ACTIVITIES OF JACQUES FRESCA

Nataliia Kompanets

Anastasia Kolomiets

ENSURING ANIMAL WELFARE AND PROTECTION FROM CRUELTY

Inna Borkovska

Dmytro Kotenko

COMPARISON OF NAZI AND SOVIET
CONCENTRATION CAPM SYSTEMS

Oksana Serheieva

Natalia Kovalchuk

THE MINNESOTA «HUNGRY» EXPERIMENT 1944

Iryna Kozubska

Zlata Kunitska

SOCIAL AND ECONOMIC ASPECTS IN
POLITICAL DECISION MAKING

Kateryna Tuliakova

Yelyzaveta Khaleska

MONOPOLY: FEATURES, POWER AND TYPES

Yuliia Kornytska

Oryna Larina

CORRESPONDENCE OF THE MODEL OF OVERCOMING POVERTY OF
NOBEL LAUREATES TO THE CONDITIONS OF THE ECONOMIC
SITUATION OF MODERN UKRAINE

Olha Narodoska

Nazar Loik

THE IMPACT OF THE COVID-19 PANDEMIC ON THE WORLD ECONOMY

Yuliia Kornytska

Vladislav Magdych

ROBOTS' RIGHT

Inna Borkovska

Karina Maksymenko

SEPARATION OF CRIMINAL MISCONDUCT AND
CRIME IN CRIMINAL LEGISLATION

Inna Borkovska

Sofia Ogievich

EUTHANASIA IN MODERN SOCIETY

Inna Borkovska

Alyona Ostrovska

CURRENT PROBLEMS OF HIGHER EDUCATION IN UKRAINE

Inna Borkovska

Yelyzaveta Ovsiihuk

STUDYING ABROAD

Nataliia Kompanets

Amina Parkhomuk

THE IMPACT OF THE COVID-19 PANDEMIC
ON THE DYNAMICS OF UNEMPLOYMENT IN UKRAINE

Yuliia Kornytska

Victoria Perevozniuk

LAWYERS AND THEIR ETHICAL VALUES

Inna Borkovska

Vladyslav Pidgornyi

CAPITALISM. WHY HAVE PEOPLE BECOME
MORE MISERABLE NOWADAYS?

Oksana Serheieva

Sonya Pobiedimska, Kate Pavlovska

GRAMMARLY'S STORY: HOW THREE PEOPLE
FROM KYIV CREATED A \$1 BILLION SPELLING CHECKER

Olena Mukhanova

Elizaveta Porokhovata

PSYCHOLOGICAL FEATURE OF THE JUDGE ACTIVITY

Inna Borkovska

Anastasiia Selivonenko

THE ROLE OF COMMUNICATION IN BUSINESS DEVELOPMENT

Yuliia Kornytska

Oleksandra Shapovalova

LIFE AND ART OF CLAUDE MONET

Serhii Kononenko

Myroslava Shenger

ROLE OF INNOVATIONS IN PROVIDING ECONOMIC
DEVELOPMENT OF THE COUNTRIES

Olha Narodovska

Dima Shevchuk

PROSPECTS OF ARTIFICIAL INTELLIGENCE

Inna Borkovska

Marko Shkepast

THE CAPITAL PUNISHMENT

Nataliia Kompanets

Milana Shlapak

WHICH EDUCATION IS MORE IMPORTANT?
WHICH YOU GET IN YOUR FAMILY OR
THE EDUCATION YOU GET IN SCHOOL?

Nataliia Kompanets

Kristina Shmuilo

THE MAIN REASONS OF PROBLEMS
OF ECONOMIC DEVELOPMENT OF UKRAINE

Yuliia Kornytska

Yuriy Stanislavskyi

PSYCHOLOGY

Nataliia Kompanets

Anna Tkachenko

INTERNATIONAL RELATIONS AND DIPLOMACY
OF THE UKRAINIAN HETMANATE

Inna Borkovska

Oleksandra Tsaryk

STRESS IN HUMAN LIFE: CAUSES AND WAYS TO OVERCOME

Inna Borkovska

Margarita Valeeva, Olexandra Grachova

PROBLEMS OF THE TOURISM INDUSTRY DUE TO THE COVID-19
PANDEMIC ON THE EXAMPLE OF ALBANIA

Inna Borkovska

Yuliia Vasylieva

STRATEGIC DIRECTIONS FOR IMPROVING
THE COMPETITIVENESS OF PHARMACEUTICAL
ENTERPRISES (ORGANIZATIONS)

Yuliia Kornytska

Maria Vodiania

LEGISLATIVE FRAMEWORK FOR ENSURING
THE RIGHTS OF NATIONAL MINORITIES

Inna Borkovska

Anastasia Vysotska

PERSON AS A SUBJECT OF SELF-DESIGN

Inna Borkovska

Bohdana Yakobchuk

INTERNET MEME AS THE EMBODIMENT OF
POSTMODERN CULTURAL RECYCLING

Nataliia Tarasiuk

Diana Yarovykh

DEPRESSION IS ILLNESS OF MODERN SOCIETY.
PSYCHOANALYTIC METHOD OF TREATMENT:
COGNITIVE BEHAVIORAL THERAPY

Nataliia Kompanets

Daria Zahorska

INTERETHNIC TOLERANCE AMONG UKRAINIANS

Nataliia Kompanets

Anna Zalizko

THE TRAGEDY OF THE FIRST WORLD WAR

Inna Borkovska

Anna Zhluktenko, Halyna Zinchenko

GDP AND ITS TYPES

Yuliia Kornytska

Valentyna Zhyr

GENDER GAP PAY

Yuliia Kornytska

Elizabeth Zolotareva

MEDIATION AS A WAY OF ALTERNATIVE CONFLICT RESOLUTION

Inna Borkovska

Section 3
Natural Sciences

Section Moderator: Lecturer Nataliia Tarasiuk
Section Secretary: Seniour Lecturer Nataliia Kompanets

Valentina Akulenko

CAUSES OF CLIMATE CHANGE

Svitlana Boiko

Vladyslav Bielik

RESEARCH PERSPECTIVES OF NET ZERO

Nataliia Hrabovska

Dmytro Blahyi

VIBRATION AS AN ELECTRIC CURRENT SOURCE

Nataliia Kompanets

Anton Bondar

BODY MODIFICATION AND PROSTHETICS

Nataliia Kompanets

Daniel Budyshev

NATURAL SCIENCE

Oksana Serheieva

Illya Guivan

USE OF ZEOLITE IN MEDICINE

Nataliia Kompanets

Artem Demydenko

WAVE–PARTICLE DUALITY

Nataliia Kompanets

Ruslana Hurska

THE SUN IS NOT ONLY A BEAUTIFUL STAR

Denis Kadletsov

GLOBAL WARMING

Yuliia Olizko

Ostap Kalapun

BIOMEDICAL BODY DATA SENSORS

Nataliia Kompanets

Artem Kononenko

IS THE MANKIND THE ONLY KIND OF LIVING IN THE UNIVERSE?

Nataliia Chizhova

Yelyzaveta Kopieikina

WHAT DO DIABETES AND LACK OF SLEEP HAVE IN COMMON?

Nataliia Kompanets

Kostiantyn Hlomoza

HOW MUCH NICOTINE DO WE GET FROM DIFFERENT SOURCES?

Nataliia Kompanets

Polina Kovalchuk

BONE BIOMATERIALS: CLASSIFICATION OF
MODERN SPECIES AND FUTURE PERSPECTIVES

Iryna Kozubska

Viktoriia Lutchenko

INVESTIGATION OF THE QUALITY OF THE URBAN ENVIRONMENT
AFTER NUCLEAR CONTAMINATION BY INSTRUMENTAL
AND BIOINDICATION METHODS

Nataliia Kompanets

Kateryna Olenchuk

HOW GLOBAL WARMING AFFECTS ANIMALS?

Yuliia Olizko

Oleksandr Rybka

EVOLUTION OF ANTIBIOTICS

Inna Borkovska

Iryna Semenyuk

ANALYSIS OF LASER THERAPY AS ONE OF THE METHODS OF
PHYSIOTHERAPY IN DIABETES MELLITUS

Nataliia Kompanets

Dmitry Slyusarev

CLIMATE PROBLEMS AND SOLUTIONS

Nataliia Kompanets

Pavlo Smovzh

3D BIOPRINTING AND ITS POTENTIAL TO
PRODUCE TISSUES AND ORGANS

Iryna Kozubska

Sergey Smovzh, Vitaliy Smorodinov

PHYSICS OF THE USA IN THE 20TH CENTURY

Iryna Boiko

Olha Suprun

GLOBAL WARMING

Oksana Serheieva

Natalia Svystiur

ACTIVITY OF THE SUN IN A NEW PHASE

Inna Borkovska

Diana Tryhub

SPIRAL PATTERN?

Oksana Serheieva

Anastasia Vinichuk

AUTOMATED NALOXONE DELIVERY SYSTEM
FOR TREATMENT OF DRUG ADDICTION

Iryna Kozubska

Ludmila Volkova

WHY BACILLUS CAN NOT ONLY KEEP ALIVE YOUR MICROFLORA BUT
ALSO SAVE HOSPITALS FROM A REAL CATASTROPHE?

Nataliia Tarasiuk

Anastasia Zakrevska

METHODS OF SCIENTIFIC PSYCHOLOGY

Inna Borkovska

George Zatulovsky

AUTOMATIC ANALYSIS OF SCIENTIFIC TEXTS FOR THE CREATION OF
SEMANTIC NETWORKS OF PROTEINS

Iryna Kozubska

Sofiia-Stefaniia Zhylinska, Alina Maksimova
BIOPRINTING AND TISSUE ENGINEERING:
A COMBINED APPROACH IN TREATING
CARDIOVASCULAR DISEASE

Nataliia Tarasiuk