



## Conference Schedule

### On-line Presentations

- 9:50 – 10:00    **Opening the Session and discussing technical matters**
- 1    10:00 – 10:10    **MAREK BRYJA**  
*University of Ss. Cyril and Methodius in Trnava, Trnava, Slovak Republic*  
AESTHETICS AND SYMBOLISM IN TRADITIONAL SLOVAK FOLK ART: WOODEN  
CARVED HORSES BY THREE GENERATIONS OF THE TATARKA FAMILY
- 2    10:10 – 10:20    **JOANNA WRÓBEL**  
*University College of Enterprise and Administration in Lublin*  
THE INCOME TAXATION OF INTERNET CREATORS FROM ACTIVITIES  
ON THE TIKTOK PLATFORM
- 3    10:20 – 10:30    **KATARZYNA DUTKOWSKA, KAROLINA CIEŚLIŃSKA**  
*University of Opole*  
THE IMPACT OF OCCLUSION TRAINING AND ENDURANCE TRAINING ON MUSCLE  
ADAPTATIONS IN WOMEN AND MEN – A COMPARATIVE ANALYSIS
- 4    10:30 – 10:40    **KLAUDIUSZ ROGULA**  
*Medical University of Lublin, Lublin, Poland*  
NEUROBORRELIOSIS – A LESSER-KNOWN FORM OF A WELL-KNOWN DISEASE
- 5    10:40 – 10:50    **DOMINIKA SADLIK**  
*Medical University of Lublin, Lublin, Poland*  
RABIES AS VETERINARY AND HUMANITARIAN THREAT IN BORDER AREAS
- 6    10:50 – 11:00    **ALEKSANDRA SMUŻNIAK**  
*University of Opole, Opole, Poland*  
LOCAL ANESTHESIA AS A COMPONENT OF THE ENHANCED RECOVERY AFTER SURGERY  
(ERAS) TO IMPROVE SURGICAL OUTCOMES – REDUCING THE ROLE OF CONSCIOUS  
SEDATION AND GENERAL ANESTHESIA IN AMBULATORY SURGERY
- 7    11:00 – 11:10    **ANGELIKA ŻURAWSKA**  
*University of Opole, Opole, Poland*  
CIPROFOL VERSUS PROPOFOL – COMPARISON OF EFFICACY AND SAFETY IN GENERAL  
ANESTHESIA AND SEDATION
- 8    11:10 – 11:20    **PAULINA BRUSIK**  
*University of Warsaw, Warsaw, Poland*  
PLATINUM GROUP ELEMENTS IN SOIL
- 9    11:20 – 11:30    **PIOTR BRZESKI**  
*Cutlery Solutions Michał Brzeski*  
NOVEL PVD COATINGS FOR HAND KNIVES
- 10    11:30 – 11:40    **JULIA KOWALCZYK**  
*Adam Mickiewicz University*  
THE SMALLEST STRUCTURES, THE MOST INTRIGUING QUESTIONS
- 11    11:40 – 11:50    **MONIKA KOPEĆ**  
*Lodz University of Technology, Lodz, Poland*  
MIMICKING EXOGENOUS AMINO ACIDS: RAMAN-BASED TRACKING OF COLON CANCER  
CELLS METABOLISM (ENG)



## HUMANITIES SCIENCES SESSION

### Presentations

- 1 **TOMASZ BROM**  
*Tymbark-MWS Sp. z o.o.*  
RESEARCH AND DEVELOPMENT WORK ON THE AUTOMATION OF LOGISTICS PROCESSES USING INTELLIGENT ALGORITHMS AND DEVICE PROTOTYPES IN A DISTRIBUTED DISTRIBUTION CENTER STRUCTURE
- 2 **TOMASZ BROM**  
*Grupa Maspex Sp. z o.o.*  
INNOVATIVE PROTOTYPE OF AN ANALYTICAL PLATFORM USING INTERNET OF THINGS MECHANISMS
- 3 **TOMASZ BROM**  
*Grupa Maspex Sp. z o.o.*  
SMART MEAL PLANNER
- 4 **PAWEŁ CZABAN**  
*University of Białystok*  
DISINFORMATION: WHAT IS IT AND HOW DOES IT WORK?
- 5 **PAWEŁ CZABAN**  
*University of Białystok*  
WHAT IS A STATE AND WHY IS IT NECESSARY?
- 6 **JAGODA DOBOSZ**  
*University of the National Education Commission, Krakow, Poland*  
ETHICS OF A PUBLIC OFFICIAL – THE PROSECUTOR
- 7 **IWONA IZDEBSKA**  
*Jan Grodek State University in Sanok*  
PRINCIPLES OF DRAFTING AND PROMULATING NORMATIVE ACTS
- 8 **NIKOLA JAKUBIEC**  
*University of Silesia Katowice*  
ETHIC OF SCIENTIFIC RESEARCH AND THE LEGAL RESPONSIBILITY OF RESEARCHERS – DO LEGAL REGULATIONS KEEP PACE WITH ETHICAL COMES IN SCIENCE
- 9 **EMILIA KARWASZ**  
*University of Warmia and Mazury in Olsztyn*  
THE ADULT LIFE OF MIGRANT CHILDREN
- 10 **DAWID MAKOWSKI**  
*University of Warmia and Mazury in Olsztyn*  
IDENTIFICATION WITH A CHARACTER IN A GAME – LITERATURE REVIEW
- 11 **BARTŁOMIEJ MISKA**  
*Grupa Maspex Sp. z o.o.*  
DEVELOPMENT OF A SOLUTION AUTOMATING THE STORE DISPLAY MANAGEMENT PROCESS
- 12 **KAZIMIERZ MRÓWKA**  
*University of the National Education Commission, Krakow*  
NATURAL GEOMETRY IN DESCARTES' DIOPTRICS
- 13 **DARIUSZ SKŁODOWSKI**  
*Cardinal Stefan Wyszyński University in Warsaw*  
MANAGEMENT OF JOINT PROPERTY AND ECONOMIC TRANSACTIONS – THE CONFLICT BETWEEN PRIVATE AND COMMERCIAL INTERESTS



- 14 **DOMINIKA SZTEJTER**  
*University of Warmia and Mazury in Olsztyn*  
PSYCHOLOGICAL ANALYSIS OF CHARACTERS FROM THE WITCHER UNIVERSE
- 15 **DOMINIKA SZTEJTER**  
*University of Warmia and Mazury in Olsztyn*  
PSYCHOLOGICAL ASPECTS OF CHARACTERS AND VIOLENCE IN GTA V
- 16 **DOMINIKA SZTEJTER**  
*University of Warmia and Mazury in Olsztyn*  
THE EXPERIENCE OF PSYCHOSIS AND TRAUMA IN THE GAME HELLBLADE: SENUA'S SACRIFICE
- 17 **JULIA ŚNITA**  
*Adam Mickiewicz University in Poznań*  
FALSE MEMORIES
- 18 **JULIA ŚNITA**  
*Adam Mickiewicz University in Poznań*  
STERNBERG'S TRIANGULAR THEORY OF LOVE
- 19 **GABRIELA WASILEWSKA**  
*University of Białystok*  
TYPES OF CYBERCRIME AND THEIR PREVENTION (ENG)
- 20 **JOANNA ZACHARSKA**  
*State University of Jan Grodek in Sanok*  
METHODS OF WORKING WITH STUDENTS WITH SPECIFIC EDUCATIONAL NEEDS (DYSEXIA, DYSGRAPHIA, DYSORTHOGRAPHY, DYSCALCULIA)

### Posters

- 1 **KLAUDIA BALA**  
*Krakow University of Economics*  
CO-OPERATIVE ECONOMICS
- 2 **MARTA KAZIMIERCZAK-KOŁODZIEJCZYK**  
*Jan Długosz University in Częstochowa*  
LYING BY CHILDREN
- 3 **MILENA LANGNER**  
*Adam Mickiewicz University, Poznań*  
NON-FORMAL EDUCATION AS A RESPONSE TO LOCAL NEEDS: AN ANALYSIS OF THE ACTIVITIES OF AN INSTITUTION IN SUB-SAHARAN AFRICA
- 4 **KRZYSZTOF MOŚCIAN**  
*University of Warmia and Mazury in Olsztyn*  
THE ROLE OF MOBILE APPLICATIONS OF COURIER COMPANIES IN SHAPING DAILY CONSUMER PRACTICES IN LOGISTICS SERVICES (ENG)
- 5 **SARA WIKTORIA PARTYKA**  
*Krakow University of Economics*  
CROWDFUNDING – AN INNOVATIVE SOURCE OF CAPITAL FOR ENTERPRISES
- 6 **PATRYCJA STAŃCZAK**  
*University of Warmia and Mazury in Olsztyn*  
DELIVERY PERSONALIZATION AND FLEXIBILITY IN THE CONTEXT OF LOGISTICS SERVICE QUALITY FROM THE ULTIMATE CONSUMER PERSPECTIVE (ENG)



## MEDICAL SCIENCES SESSION

### Presentations

- 1 **ALEKSANDRA FLOREK**  
*Jan Grodek State University in Sanok*  
NEW ADDICTIONS – THE 21<sup>ST</sup> CENTURY PATIENT
- 2 **WERONIKA GRZESIAK**  
*University of Opole, Opole, Poland*  
HOLISTIC MANAGEMENT OF CHRONIC WOUNDS: INTEGRATING CLINICAL ASSESSMENT, TIME STRATEGY, AND PATIENT-CENTERED CARE (ENG)
- 3 **KRYSTIAN KANSIK**  
*Faculty of Medicine, University of Opole, plac Kopernika 11A, 45-040 Opole, Poland*  
NEW DIRECTIONS IN FUNCTIONAL BRAIN MAPPING AND THE SAFETY OF NEUROSURGICAL OPERATIONS
- 4 **MICHAŁ KOSTRO**  
*University of Opole, Opole, Poland*  
ANATOMICAL TOPOGRAPHY AND CLINICAL IMPLICATIONS OF ABDOMINAL AORTIC ANEURYSMS WITH EMPHASIS ON RUPTURE RISK (ENG)
- 5 **ALEKSANDRA MALINOWSKA**  
*University of Opole, Opole, Poland*  
MICROBIOTA OF THE UROGENITAL SYSTEM: FROM PHYSIOLOGICAL HOMEOSTASIS TO PATHOLOGICAL IMPLICATIONS (ENG)
- 6 **SAMANTA OSTROWSKA**  
*University of Opole, Opole, Poland*  
THE PIPAC TREATMENT METHOD (PRESSURIZED INTRAPERITONEAL AEROSOL CHEMOTHERAPY): AN OPPORTUNITY FOR PATIENTS WITH METASTATIC CANCER.
- 7 **SYLWIA OTULAK**  
*University of Opole, Opole, Poland*  
APPLICATION OF ARTIFICIAL INTELLIGENCE IN THE DIAGNOSIS AND TREATMENT OF URINARY TRACT CANCERS
- 8 **EDYTA OWSIANA**  
*Laboratory Diagnostics Center*  
THE BEGINNING OF HUMAN LIFE IN A SCIENTIFIC AND SOCIAL CONTEXT (ENG)
- 9 **DAWID PIEKARSKI**  
*University of Opole, Opole, Poland*  
BIOCHEMICAL MECHANISMS OF CAFFEINE ACTION AND THEIR RELATIONSHIP TO HEART DISEASE AND SLEEP
- 10 **JAKUB RYŚNIK**  
*Jerzy Kukuczka Academy of Physical Education in Katowice*  
ASSESSMENT OF THE INTENSITY OF PHYSICAL EXERTION AND THE STATE OF PERCEIVED PLEASURE, FLOW AND SENSE OF PRESENCE BY USERS OF ACTIVE VIDEO GAMES IN IMMERSIVE AND NON-IMMERSIVE VIRTUAL REALITY (ENG)
- 11 **EWA STASZAK**  
*University of Opole, Opole, Poland*  
KLEINE–LEVIN SYNDROME- CHARACTERISTICS
- 12 **KRYSTIAN SZCZYGIEL**  
*University of Opole, Opole, Poland*  
NEW STRATEGIES FOR PREVENTING HOSPITAL-ACQUIRED INFECTIONS IN AN ERA OF INCREASING ANTIBIOTIC RESISTANCE



- 13 **ALEKSANDRA TOBIASZ**  
*University of Silesia in Katowice, Katowice, Poland*  
THE ASSESSMENT OF EXPRESSION OF CIRCULATING MIR-9-3P, MIR-9-5P, AND MIR-129-3P, CONSIDERING THE EFFECTS OF ETIOLOGY, OCCLUSION LOCALIZATION AND TREATMENT IN ACUTE ISCHEMIC STROKE
- 14 **KAROLINA TOMASIK**  
*University of Opole, Opole, Poland*  
THE BIOCHEMISTRY OF STRESS – HOW CHRONIC STRESS AFFECTS CORTISOL METABOLISM AND THE RISK OF CHRONIC DISEASES
- 15 **WERONIKA WITEK**  
*University of Opole, Opole, Poland*  
SLEEP PARALYSIS – BETWEEN DREAM AND WAKEFULNESS
- 16 **SZYMON WOLANIUK**  
*University of Opole, Opole, Poland*  
CURRENT STATE OF KNOWLEDGE ON ROSAI-DORFMAN-DESTOMBES DISEASE
- 17 **JOANNA ZYCH**  
*University of Rzeszów*  
THE IMPACT OF PHYSICAL ACTIVITY ON THE CIRCULATORY SYSTEM

### Posters

- 1 **ADRIANNA BARGIELSKA**  
*Medical University of Białystok*  
URINARY BIOMARKERS MEASURED BY BIOPLEX IN CHILDREN WITH ACUTE KIDNEY INJURY AT ADMISSION AND AFTER ONE WEEK OF TREATMENT COMPARED TO HEALTHY CONTROLS – PRELIMINARY RESULTS (ENG)
- 2 **ADAM BĘBEN**  
*Medical University of Gdańsk*  
*Dental practice – BaltiCare Adam Bęben*  
TOOTH JEWELRY – HIT OR KITSCH?
- 3 **ADAM BĘBEN**  
*Medical University of Gdańsk*  
*Dental practice – BaltiCare Adam Bęben*  
APICAL RESECTION – SAVING A TOOTH
- 4 **ALEKSANDRA LASOTA**  
*Medical University of Białystok*  
ANALYSIS OF BIOMARKERS IN URINE IN CHILDREN WITH UROLITHIASIS BY THE BIOPLEX METHOD - A PILOT STUDY
- 5 **MARCELINA POWĄZKA**  
*Wrocław Medical University*  
MODERN DIAGNOSTIC METHODS OF ATHLETES
- 6 **JANINA DANUTA RZESZOT**  
*Academy of Applied Sciences Wincenty Pol in Lublin*  
BEDSIDE PHYSIOTHERAPY IN THE PERSPECTIVE OF THE POSITIVE IMPACT OF EXERCISE ON THE HEALTH OF A BEDRIDDEN PATIENT (ENG)
- 7 **MARCELINA WOJTANOWSKA**  
*Jan Grodek State University in Sanok*  
SELECTED FOOD INTOLERANCES IN CHILDREN – DIAGNOSTIC AND TREATMENT STRATEGIES
- 8 **KATARZYNA ŻANDAREK**  
*University of Bielsko-Biala, Bielsko-Biala, Poland*  
ATOGEPAANT (QULIPTA) – NEW OPTIONS IN MIGRAINE PREVENTION (ENG)



## TECHNICAL AND NATURAL SCIENCES SESSION

### Presentations

- 1 **BARTŁOMIEJ BRUSZEWSKI**  
*Białystok University of Technology*  
THE MATHEMATICAL FACE OF DATA SECURITY
- 2 **ANTONINA KAŁUŻA**  
*Adam Mickiewicz University in Poznań*  
INVESTIGATION OF GROUND TEMPERATURE DYNAMICS ACROSS VARIOUS SITE CONDITIONS
- 3 **JAKUB STUGLIK**  
*Tymbark MWS Sp. z o.o.*  
CONDUCTING RESEARCH AND DEVELOPMENT WORK: OPTIMIZATION OF BIOLOGICAL TREATMENT OF MUNICIPAL AND INDUSTRIAL WASTEWATER FOR THE PURPOSE OF REUSING TREATED WATER IN A CLOSED CYCLE AT TYMBARK-MWS SP. Z O.O. SP.K.

### Posters

- 1 **ALEKSANDRA GRZESZCZAK**  
*University of Lodz*  
OXYGEN – THE DOUBLE-EDGED SWORD OF LIFE (ENG)
- 2 **WIOLETTA WIELAKOWSKA**  
*Lodz University of Technology*  
WHAT IS A "BUBBLE CURVE"? (ENG)