



JUNE 2026

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8-10

InterTech Doc'26

*11th Interdisciplinary Conference
for Young Researchers
of Technical Universities*

 **Hotel Skalite, Krokusów 4 St.
43-370 Szczyrk**

Conference programme



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Conference schedule

Monday 08.06		Tuesday 09.06		Wednesday 10.06		
		8:00–9:00	Breakfast		8:00–9:00	Breakfast
		9:30–11:30	<i>Plenary session 1</i>	<i>Poster session 1</i>	9:30–11:30	Student session
		11:30–12:00	Coffee break		12:15–12:45	Conference summary Awards ceremony
		12:00–14:15	<i>Plenary session 2</i>	<i>Poster session 2</i>	12:45–14:00	Lunch
15:00–17:00	Registration	14:15–15:30	Lunch		 <i>* Check out by 11:00 AM. Luggage can be left at the hotel reception.</i>	
17:00–17:30	Opening ceremony	15:30–16:30	Discussion panel: <i>Launching a start-up</i>			
17:30–18:30	Discussion panel: <i>Industry collaboration with PhD student and young researchers</i>	16:45–19:00	Plenary Session 3			
19:00–24:00	Gala dinner	19:30	Regional party			

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PROGRAM

11th Interdisciplinary Conference for Young Researchers of Technical Universities InterTechDoc'26

08-10.06.2026

Szczyrk, Hotel Skalite- Poland

Scientific Committee:

Chairman: Konrad Tudyka, DSc Eng., Assoc. Prof.

- Silesian University of Technology

Vice-Chairman: dr inż. Anna Wolny, PhD Eng.

- Silesian University of Technology

Secretary: Anna Blacha, PhD Eng.

- Silesian University of Technology

Prof. Sławomir Boncel, PhD Eng. - Silesian University of Technology

Prof. Anna Chrobok, PhD Eng. - Silesian University of Technology

Prof. Sebastian Werle, PhD Eng. - Silesian University of Technology

Henryk Bąkowski, DSc Eng., Assoc. Prof. - Silesian University of Technology

Marcin Górski, DSc Eng., Assoc. Prof. - Silesian University of Technology

Aleksander Lisiecki, DSc Eng., Assoc. Prof. - Silesian University of Technology

Małgorzata Pawlak, DSc Eng., Assoc. Prof. - Gdynia Maritime University

Grzegorz Sierpiński, DSc Eng., Assoc. Prof. - Silesian University of Technology

Paweł Woś, DSc Eng., Assoc. Prof. - Rzeszów University of Technology

Yujiao Ke, PhD Eng. - Yanshan University

Wioletta Cebulska, PhD Eng. - Silesian University of Technology

Marcin Kłós, PhD Eng. - Silesian University of Technology

Michał Kuźniar, PhD Eng. - Rzeszów University of Technology

Zoran Peric, PhD Eng. - Lund University

Sara Sarraj, PhD Eng. - Silesian University of Technology

Kinga Skobiej, PhD Eng. - Poznan University of Technology

Jakub Smoleń, PhD Eng. - Silesian University of Technology

Natalia Szymlet, PhD Eng. - Poznan University of Technology

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CONFERENCE DAY 1

08.06.2026 (Monday)

15:00 – 17:00 Registration

17:00 – 17:30 Opening ceremony

Prof. Anna Chrobok, PhD Eng. – Vice Rector, Silesian University of Technology

Prof. Sebastian Werle, PhD Eng. – Vice Rector, Silesian University of Technology

Grzegorz Józwiak – Executive Director for Biofuels and Hydrogen, ORLEN S.A.

Iga Przytuła M.Sc. Eng. – Chair of the Doctoral Students' Council of the Silesian University of Technology

17:30 – 18:30 DISCUSSION PANEL: "Industry collaboration with PhD student and young researchers"

Panel Moderator: Anna Wolny, PhD Eng.

Panelists:

- *prof. Anna Chrobok, PhD Eng.* – Vice Rector for Student Affairs and Education (SUT),
- *prof. Sebastian Werle, PhD Eng.* – Vice Rector for Science and International Cooperation (SUT),
- *Andrzej Katunin, DSc Eng.* – *Assoc. Prof.*, Director of Doctoral School (SUT)
- *Grzegorz Józwiak* – Executive Director for Biofuels and Hydrogen, ORLEN S.A.
- *Luk Palmén* – Innovation & Cooperation Manager, Silesia Automotive & Advanced Manufacturing
- *Representative* – Valeo

19:00 – 24:00 Gala dinner (dresscode: formal)

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CONFERENCE DAY 2

09.06.2026 (Tuesday)

8:00 – 9:00 BREAKFAST	
<p>9:30-11:30</p> <p>PLENARY SESSION 1</p> <p>CHAIRMANS:</p> <p><i>Aleksander Lisiecki DSc Eng., Assoc. Prof.</i> <i>Yujiao Ke, PhD Eng.</i> <i>Wioletta Cebulska, PhD Eng.</i></p>	
9:30 - 9:45	<p>Mujahid Ali – Silesian University of Technology</p> <p>COMPARATIVE ANALYSIS AND HYPERPARAMETER OPTIMISATION OF MACHINE LEARNING ALGORITHMS FOR TMC PREDICTION AND ITS SIGNIFICANT FEATURES – A STEP TOWARDS GREEN URBAN MOBILITY</p>
9:45 - 10:00	<p>Karolina Pawlusińska- Silesian University of Technology</p> <p>THE EFFECT OF SELECTED FACTORS ON THE PROCESS OF MICROBIOLOGICALLY INDUCED CALCITE PRECIPITATION</p>
10:00-10:15	<p>Priyam Deka – Silesian University of Technology</p> <p>COMPARISON OF MULTI-OBJECTIVE EVOLUTIONARY ALGORITHMS FOR DEEP LEARNING-BASED RESIDENTIAL HEATING LOAD FORECASTING</p>
10:15-10:30	<p>Jaspreet Kaur Jandoo – Silesian University of Technology</p> <p>BIOACTIVITY OF IMMUNOLOGICALLY STIMULATED LUCILIA SERICATA LARVAE SECRETION EXPOSED TO CANDIDA ALBICANS</p>
10:30-10:45	<p>Saima Lashari – Silesian University of Technology</p>
10:30-10:45	<p>Phillis Mutheu Mbinda – Technische Universität Bergakademie Freiberg COMPARISON OF MULTI-OBJECTIVE EVOLUTIONARY ALGORITHMS FOR DEEP LEARNING-BASED RESIDENTIAL HEATING LOAD FORECASTING</p>

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10:45-11:00	Jędrzej Matla, Krzysztof Podosek, Iga Przytuła –Wrocław University of Technology, Kielce University of Technology, Silesian University of Technology COMPARATIVE LIFE CYCLE ASSESSMENT OF MAXI-CLASS CITY BUSES WITH DIFFERENT POWERTRAIN TYPES
11:00-11:15	Namatullah Nizamani – IMEC & Hasselt University HIGHLY EFFICIENT FULLY EVAPORATED PEROVSKITE SOLAR CELLS AND MODULES
11:15-11:30	Sajeela Sehar - Silesian University of Technology NITROGEN DOPED BIOCHAR FOR SOIL REMEDIATION: SYNTHESIS, SURFACE CHEMISTRY, AND MECHANISM IMMOBILIZATION
Additional Presentation	Michał Bebko, Krzysztof Kler – Silesian University of Technology PERIODIC TECHNICAL INSPECTION FOR ELECTRIC, HYBRID AND HYDROGEN-POWERED VEHICLES - A NECESSARY CHANGE IN REGULATIONS
<p>9:30 - 11:30</p> <p>POSTER SESSION 1</p> <p>Scientific Committee:</p> <p>Konrad Tudyka DSc Eng., Assoc. Prof. Natalia Szymlet, PhD Eng. Michał Kuźniar, PhD Eng</p>	
P1	Julia Chmiel – Silesian University of Technology CHARACTERIZATION OF BIOACTIVE DERIVATIVES FROM TAGETES MINUTA, TAGETES PATULA, SYZYGIUM AROMATICUM: POTENTIAL APPLICATIONS IN SUSTAINABLE FARMING, BIOMEDICAL AND HEALTH SCIENCES
P2	Houda El Hyani – Silesian University of Technology LIFE CYCLE IMPACT ASSESSMENT OF SOLVOLYSIS FOR WASTE POLYESTER, POLYAMIDE, AND COTTON FIBERS
P3	Filip Gajewski – Silesian University of Technology INFLUENCE OF HEAT TREATMENT ON PHASE TRANSFORMATIONS AND MECHANICAL PROPERTIES OF MULTILAYERED STAINLESS STEEL VG-10/316L

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P4	Weronika Gorajczyk – Uniwersytet Komisji Edukacji Narodowej MOBILE APPLICATION INTERFACES BASED ON MICROLEARNING FOR GENERATION Z
P5	Sonia Gorawska – Silesian University of Technology HIGH-PERFORMANCE PDMS-BFO TRIBOELECTRIC NANOGENERATOR FOR ENERGY HARVESTING AND MACHINE LEARNING-ASSISTED OBJECT RECOGNITION
P6	Alain Patience Ihimbazwe Ndanguza – Silesian University of Technology THE IMPACT OF LEADERSHIP ON CSR IMPLEMENTATION AND ORGANIZATIONAL PERFORMANCE IN EUROPE
P7	Loyce Kayanula – Hochschule Mittweida, University of Applied Sciences A STATISTICAL METHOD TO ESTIMATE THE POPULATION-LEVEL FREQUENCIES OF PLASMODIUM FALCIPARUM HAPLOTYPES WITH PFHRP2/3 DELETIONS IN THE PRESENCE OF MIXED-CLONE INFECTIONS
P8	Diyar Khan – Silesian University of Technology COMPARATIVE ANALYSIS OF TRANSPORT NOISE AND VIBRATION SIGNALS FOR VIBROACOUSTIC SCENE CLASSIFICATION IN URBAN ROAD ENVIRONMENTS
P9	Kornelia Kubiesa – Silesian University of Technology SUZUKI CROSS-COUPLING AS A USEFUL TOOL FOR THE SYNTHESIS OF NOVEL 1,2,4-TRIAZOLE DERIVATIVES
P10	Angelika Mieszczanin – Silesian University of Technology STRUCTURE-PROPERTY RELATIONSHIP IN 7,14-(DIMESITYL)BISANTHENE DERIVATIVES
P11	Natalia Liszka – Silesian University of Technology BETWEEN SYSTEM PERFORMANCE AND HUMAN PERCEPTION: A SOCIO-TECHNICAL GAP IN CRISIS MANAGEMENT
P12	Agapi Orfanoudaki – Technical University of Crete ROLE OF CeO ₂ FACETS IN ENHANCING METAL-SUPPORT INTERACTIONS AND CO OXIDATION ACTIVITY
P13	Szymon Ruczka – Silesian University of Technology STABLE DISPERSIONS OF CARBON NANOMATERIALS IN IONIC AND NON-IONIC LIQUIDS

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P14	Samira Sa Sadipishkamar – Silesian University of Technology MULTI-OBJECTIVE OPTIMIZATION OF URBAN BLOCK MORPHOLOGY FOR UTCI-BASED OUTDOOR THERMAL COMFORT: A PARAMETRIC STUDY IN TEHRAN, IRAN
P15	Wojciech Sobociński – Silesian University of Technology APPLICATION OF CNC AND LASER CUTTING TECHNOLOGIES FOR METAL COMPONENTS IN THE CREATION OF PHYSICAL ARCHITECTURAL MODELS
P16	Julia Wybraniec – Silesian University of Technology REIMAGINING NIKISZOWIEC: REVITALISATION OF A HISTORIC HOUSING ESTATE IN KATOWICE. CONCEPTUAL DESIGN OF A RESTAURANT WITH AN EXHIBITION AND EDUCATIONAL HUB
P17	Bartosz Zowiśłok – Silesian University in Katowice COMPLEXES WITHOUT COMPLEXES: THIOPHENE EFFECTS ON THE PHOTOPHYSICS AND ELECTROCHEMISTRY OF IRIIDIUM(III) COMPOUNDS
P18	Rukhseena Ashfaq – Silesian University of Technology AI-DRIVEN OBSTACLE AVOIDANCE IN UAV SYSTEMS: METHODS, LIMITATIONS AND FUTURE PERSPECTIVES
11:30-12:00 COFFEE BREAK	
<p>12:00 – 14:15</p> <p>Plenary Session 2</p> <p>CHAIRMANS:</p> <p>Prof. Sławomir Boncel, PhD Eng. Konrad Tudyka DSc Eng., Assoc. Prof Jakub Smoleń, PhD Eng.</p>	
12:00-12:15	Oluwasesan Cornelius Akinbode – Silesian University of Technology EVALUATION OF PERFORMANCE AND RESILIENCY OF HYBRID LEO-LPWAN COMMUNICATION
12:15-12:30	Rita Theresa El Kahi – Université de Lorraine INTEGRATING META-ANALYSIS AND CAUSAL MODELING TO ELUCIDATE STRUCTURE-ACTIVITY RELATIONSHIPS OF CURCUMIN-LOADED LIPID NANOCARRIERS FOR BBB DELIVERY IN ALZHEIMER'S DISEASE

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12:30-12:45	Felix Fischer – Hochschule Mittweida CLOSING THE LOOP ON ZINC: AN INTEGRATED ZERO-WASTE AND CO ₂ -NEUTRAL CONCEPT FOR VALORISING ZINC-BEARING METALLURGICAL BY-PRODUCTS - WITH SPECIAL FOCUS ON SLAG CONDITIONING FOR CONSTRUCTION APPLICATIONS
12:45-13:00	Agnieszka Stawinoga – Silesian University of Technology FROM BARRIERS TO GATEWAYS: A DIGITAL TWIN FRAMEWORK FOR SEAMLESS ACCESSIBILITY IN CULTURAL HERITAGE SITES
13:00-13:15	Agnieszka Mentel – Silesian University of Technology DESIGNING PRIMARY SCHOOLS FOR NEURODIVERSITY
13:15-13:30	Szymon Świdorski – Silesian University of Technology BETWEEN CONSERVATION AND ADAPTATION: THE HERITAGE OF BOTANICAL GARDENS IN CONTEMPORARY URBAN LANDSCAPES
13:30-13:45	Natalia Tadla-Borowska – Silesian University of Technology DIGITAL TECHNOLOGY AS A COMPONENT OF ARCHITECTURAL ACCESSIBILITY IN SELECTED CULTURAL FACILITIES
13:45-14:00	Radosław Turczyński – Military University of Land Forces TECHNOLOGICAL ADAPTATION OF POLISH ARMED FORCES TO HYBRID THREATS AT THE POLISH-BELARUSIAN BORDER
14:00-14:15	Daniel Wojtowicz – Silesian University of Technology AI PLANNING, AI REPLANNING, AND OPTIMIZATION IN MULTI MODAL PORTS: A LITERATURE REVIEW
Additional Presentation	Klaudia Cholewa – Silesian University of Technology SELECTED METHODS FOR BIOCOMPATIBILITY ASSESSMENT OF ADVANCED POLYMERIC BIOMATERIALS: A LITERATURE-BASED REVIEW

12:00 – 14:15

POSTER SESSION 2

Scientific Committee:

Zoran Peric, PhD Eng.

Kinga Skobiej, PhD Eng.

Anna Blacha, PhD Eng.

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P19	Bilal Ahmed – Silesian University of Technology SHEAR STRENGTH OF PREFABRICATED PRESTRESSED REINFORCED CONCRETE BEAMS WITH WEB OPENING
P20	Paweł Augustyniak, Mateusz Rosa – Silesian University of Technology AN INTERDISCIPLINARY PROJECT CARRIED OUT BY THREE STUDENT RESEARCH GROUPS TO DEVELOP AN AUTONOMOUS SAILING VESSEL MODEL DEMONSTRATING INNOVATIVE, ECO-FRIENDLY TRANSPORT SYSTEMS
P21	Wiktoria Kanciak – Poznan University of Technology A SCIENTOMETRIC ANALYSIS OF RESEARCH ON AUTOMOTIVE PLASTIC WASTE RECYCLING
P22	Karol Kościuk, Aleksandra Wędrychowicz – Rzeszow University of technology TOPOLOGICAL ANALYSIS OF AN AIRCRAFT PROPELLER
P23	Michał Kuźniar, Kamil Kucharski – Rzeszow University of technology VERIFICATION TESTING OF A UAV PROPELLER MADE OF COMPOSITE MATERIALS
P24	Mateusz Maniak – Poznan University of Technology NUMERICAL AND ANALYTICAL MODELLING OF THE THREE-POINT BENDING BEHAVIOUR OF THIN-WALLED BEAMS WITH MODIFIED C-SECTIONS
P25	Przemysław Marzec – Silesian University of Technology ASSESSMENT OF WEAR MECHANISMS OF THE FRICTION LINING IN RAILWAY BRAKE PADS
P26	Abdullah Maqsood – Silesian University of Technology KINETIC MODELING OF Pb^{2+} AND Cd^{2+} ADSORPTION ONTO SEDIMENT USING PSEUDO-SECOND-ORDER MODEL
P27	Abdisa Mekonnin – Silesian University of Technology LOW -TEMPERATURE MECHANICAL PERFORMANCE OF AISI 304 AUSTENITIC STAINLESS STEEL FOR HYDROGEN STORAGE APPLICATIONS
P28	Anna Nieczaj – Rzeszow University of technology A COMPARISON OF THE EFFECT OF TWO SNAKE VENOM PRESERVATION TECHNIQUES ON THE ELECTROPHORETIC PROFILE AND PROTEOLYTIC ACTIVITY OF BITIS ARIETANS VENOM
P29	Marios Salinas – Technical University of Crete INVESTIGATION OF ECCENTRICITY FAULTS OF A C-GEN DUAL-ROTOR GENERATOR

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P30	Lyudmila Slobodkina – Silesian University of Technology ADVANCES IN THE RECYCLING OF TEXTILE WASTE: CHEMICAL METHODS BASED ON SOLVOLYSIS AND LIQUEFACTION
P31	Lidia Smyczyńska – Poznan University of Technology INFLUENCE OF ANGULAR ARC LENGTH ON DIAMETER VALUE AND MEASUREMENT UNCERTAINTY IN MEASUREMENTS PERFORMED USING A COORDINATE MEASURING MACHINE
P32	Jakub Sobczak – Poznan University of Technology MEASUREMENT OF MAGNETIC FIELD EMISSIONS FROM ELECTRIC PASSENGER VEHICLES WITH REGARD TO THEIR IMPACT ON HUMANS
P33	Agnieszka Szyber-Dynia – Silesian University of Technology VALVE-RELATED LIMITATIONS IN PULSATILE MECHANICAL CIRCULATORY SUPPORT SYSTEMS: MECHANICAL, HEMODYNAMIC AND MATERIAL PERSPECTIVES
P34	Sajeela Sehar - Silesian University of Technology BIOCHAR AGING IN CONTAMINATED SOILS: IMPACTS ON SURFACE FUNCTIONALITIES AND REMEDIATION EFFICIENCY
P35	Willy Delling- Hochschule Mittweida THE FORENSIC DIGITAL TWIN AS FOUNDATION FOR BIOMECHANICAL SIMULATIONS
P36	Judith Sullon Sandoval – Silesian University of Technology NEW NELTUMA PALLIDA TREE-RING CHRONOLOGIES FOR ASSESSING CLIMATE VARIABILITY IN NORTHERN PERU

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14:15-15:30

LUNCH

15:30-16:30

DISCUSSION PANEL: "Launching a start-up"

Panel Moderator: **Sara Sarraj, PhD Eng.**

Panelists:

- **Bartłomiej Mazurkiewicz**- Investment Manager, ORLEN VC Sp. z o.o.
- **Konrad Tudyka, DSc Eng., Assoc. Prof.**- CEO, miDose Solutions
- **Kamil Ziótkowski**- Co-Founder, Supercluster
- **Monika Bezak**- Labour Market Specialist, Silesia Automotive & Advanced Manufacturing
- **Prof. Sławomir Boncel, PhD Eng.**- CEO, NanoCarbonGroup spin-off

16:30-16:45

COFFEE BREAK

16:45-19:15

Plenary Session 3

CHAIRMANS:

Zoran Peric, PhD Eng.

Anna Blacha, PhD Eng.

Kinga Skobiej, PhD Eng.

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16:45-17:00	Elizabeth Addae – Silesian University of Technology HIGH-K TiO ₂ PASSIVATION NANOLAYERS FOR EFFICIENCY ENHANCEMENT IN DYE-SENSITIZED SOLAR CELLS
17:00-17:15	Mengistu Dagnaw – Silesian University of Technology POST-PROCESS HEAT TREATMENT DESIGN FOR TUNABLE STRENGTH AND TOUGHNESS IN L-PBF 2507 SUPER DUPLEX STAINLESS STEEL
17:15-17:30	Mohammed Elmeligy – Silesian University of Technology RECENT CHALLENGES IN HOT-DIP GALVANIZING OF LIGHTWEIGHT STEELS FOR THE AUTOMOTIVE INDUSTRY
17:30-17:45	Mohamed Ahmed Elmosalamy – Silesian University of Technology RECENT CHALLENGES IN HOT WORKABILITY OF ADVANCED HIGH STRENGTH STEELS FOR AUTOMOTIVE INDUSTRY
17:45-18:00	Agata Masarczyk – Silesian University of Technology NOVEL HETEROGENEOUS PHOTOCATALYSTS: SYNTHESIS, CHARACTERIZATION, AND APPLICATION IN THE DEGRADATION OF ORGANIC DYES
18:00-18:15	Mahsa Mokhtarian – Silesian University of Technology PY-GC/MS-BASED CHEMICAL CHARACTERIZATION OF BIOWASTE: INSIGHTS INTO PYROLYSIS PRODUCTS AND REACTION PATHWAYS
18:15-18:45	Tendai Valerie Nyangadzayi – Technical University of Leoben INVESTIGATION OF BIOCOKE UTILIZATION IN LEAD SLAG REDUCTION FOR ZINC AND LEAD RECOVERY USING A HOT STAGE MICROSCOPY
18:45-19:00	Ehab Tara – Technical University of Leoben CLOSING THE LOOP ON ZINC: AN INTEGRATED ZERO-WASTE AND CO ₂ -NEUTRAL CONCEPT FOR VALORISING ZINC-BEARING METALLURGICAL BY-PRODUCTS - WITH SPECIAL FOCUS ON SLAG CONDITIONING FOR CONSTRUCTION APPLICATIONS
Additional Presentation	Justyna Jakubska – Silesian University of Technology SODIUM ALGINATE FILMS FOR PACKAGING APPLICATIONS AS AN ALTERNATIVE TO CONVENTIONAL PLASTICS
Additional Presentation	Łukasz Jakubski – Silesian University of Technology IMPROVING PERVAPORATION FOR ETHANOL DEHYDRATION USING MAGNETIC MEMBRANES
19:30-24:00 REGIONAL PARTY (dresscode: casual)	

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CONFERENCE DAY 3

10.06.2026 (Wednesday)

* Guests must check out by 11:00 AM. Luggage can be left at the hotel reception.

8:00 - 9:00 BREAKFAST	
<p>9:30-11:30</p> <p>Plenary Session 4 (Student's Session/Polish Session)</p> <p>CHAIRMANS:</p> <p>Anna Wolny, PhD Eng.</p> <p>Wioletta Cebulska, PhD Eng.</p> <p>Sara Sarraj, PhD Eng.</p>	
9:30 - 9:45	<p>Igor Biały – Silesian University of Technology</p> <p>ENZYMATIC TRANSESTERIFICATION AS A SUSTAINABLE PATHWAY TO FUNCTIONAL 2,5-FURANDICARBOXYLIC ACID DERIVATIVES</p>
9:45 - 10:00	<p>Maja Foryciarz, Adam Tomaszewski – Silesian University of Technology</p> <p>MODELING THE IMPACT OF COCKPIT ENVIRONMENTAL PARAMETERS DURING FLIGHT TASK EXECUTION ON PILOT PERFORMANCE EFFICIENCY</p>
10:00-10:15	<p>Adam Gola, Maksymilian Malaka – Silesian University of Technology</p> <p>USV "NARTNIK": A MODULAR 3D-PRINTED AUTONOMOUS SURFACE VEHICLE FOR ENVIRONMENTAL MONITORING AND DUAL-USE APPLICATIONS</p>

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10:15-10:30	Natalia Kafwak – Silesian University of Technology EFFECT OF MODIFICATION AND HEAT TREATMENT PARAMETERS ON THE MICROSTRUCTURE AND SELECTED MECHANICAL PROPERTIES OF HADFIELD STEEL CASTINGS
10:30-10:45	Sebastian Kanik – Silesian University of Technology SURFACE MODIFICATION OF TITANIUM BASE ALLOY VIA PLASMA ELEKTROLYTIC OXIDATION IN ZINC-CONTAINING SOLUTIONS FOR USE IN IMPLANTOLOGY
10:30-10:45	Mateusz Pilszek – Silesian University of Technology APPLICATION OF NEW CATALYTIC SYSTEMS FOR POLY(ETHYLENE TEREPHTHALATE) UPCYCLING
10:45-11:00	Anita Procek – Silesian University of Technology HETEROGENEOUS BIOCATALYSIS AS AN INNOVATIVE METHOD FOR THE SYNTHESIS OF LACTONES
11:00-11:15	Igor Smolarek – Opole University of Technology MECHANICAL AND PROCESSING CHARACTERISTICS OF COMPOSITE MATERIALS FOR USE IN PASSENGER RAILCAR FLOOR PANELS
11:15-11:30	Izabela Ziębińska – Silesian University of Technology AN INNOVATIVE BIOCATALYST DEDICATED TO THE SUSTAINABLE PRODUCTION OF ESTERS
Additional Presentation	Błażej Brudny, Patryk Stępień – Silesian University of Technology STUDIES OF THE IMPACT OF INSULATION ON THE INTENSIFICATION OF HEAT TRANSFER FROM INDUCTOR WINDINGS
Additional Presentation	Mateusz Kiepiel – Śląski Uniwersytet Medyczny ULTRASONOGRAPHIC ASSESSMENT OF CALF MUSCLE MORPHOLOGY AS A POTENTIAL TOOL FOR FUNCTIONAL SCREENING IN PHYSICALLY ACTIVE ADULTS
12:15-12:45 CONFERENCE SUMMARY AND AWARDS CEREMONY	
12:45-14:00 LUNCH	

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