

Tuesday, September 8, 2026

from 14.00 Accommodation - **RECEPTION**

16.00-17.10 Opening of the conference, **BASTION MIŚ** room

Chairman of the conference - **prof.dr hab.inż. Michał Wasilczuk**

President of the Polish Tribology Society - **prof.dr hab.inż. Jarostaw Sęp**

Rector of the Gdansk University of Technology - **prof. dr hab. inż. Krzysztof Wilde**

Dean of the Faculty of Mechanical Engineering and Ship Technology - **prof. dr hab.inż. Mariusz Deja**

16.30-17.00

Wykład otwierający - **prof.dr hab.inż. Michał Wasilczuk**

17.00-17.10

Prezentacja sponsora konferencji

KOPIPOL- Stowarzyszenie Zbiorowego Zarządzania Prawami Autorskimi Twórców Dzieł Naukowych i Technicznych

17.20-18.40 Thematic session, **BASTION MIŚ** room

Surface Modification, Regeneration and Tribological Performance

Chairman - dr hab.inż. **Remigiusz Michalczewski**, prof.ITEE

17.20-17.40

Cezary Drenda, Marcin Kot, Daniel Toboła, Łukasz Frocisz
EFFECT OF SEQUENTIAL SURFACE TREATMENT BY BURNISHING AND GAS NITRIDING ON THE TRIBOLOGICAL BEHAVIOUR OF AN AlCrN-COATED VANCRON STEEL SYSTEM

17.40-18.00

Andrzej Dzierwa, Jarostaw Sęp, Mariusz Jenek, Albert Lewandowski
ENTROPY-WEIGHTED TOPSIS OPTIMIZATION OF TRIBOLOGICAL CHARACTERISTICS OF SLIDE-BURNISHED 36CRNiMO4 STEEL

18.00-18.20

Janusz Krawczyk, Paweł Żurawski, Łukasz Frocisz, Marcin Madej
VALIDATION OF 42CrMo4+QT STEEL WORKPIECES SURFACE REGENERATION METHODS BASED ON TRIBOLOGICAL TESTS

18.20-18.40

Leszek Łatka, Monika Nowakowska, Karolina Płatek
TRIBOLOGICAL BEHAVIOR OF HYBRID PLASMA-SPRAYED Al_2O_3 COATINGS COMPARED TO CONVENTIONAL APS AND SPS DEPOSITS

17.20-18.40 Thematic session, **BASTION WILK** room

Tribological Performance and Degradation of Engineering Materials

Chairman - dr hab.inż. **Arkadiusz Stachowiak**, prof.PP

17.20-17.40

Adam Piasecki, Grzegorz Adamek, Mateusz Kotkowiak, Piotr Paczos, Oleksandr Tisov, Wenbo Ma, Kacper Sukiennik, Adam Marek, Sławomir Boncel
TRIBOCORROSION AND MECHANICAL PROPERTIES OF COCRFENIMN HIGH-ENTROPY COMPOSITE ALLOY REINFORCED WITH Y_2O_3 AND MWCNTS

17.40-18.00

Sławomir Zimowski, Jolanta Krupa, Dzmitry Kharytonau, Małgorzata Zimowska
ANALYSIS OF THE WEAR RESISTANCE OF ZINC AND ZINC ALLOYS AS ENGINEERING MATERIALS

18.00-18.20

I. Salminen 1, M. Khedr, J. Pasqual, S. Westman, R Sliz, A. Järvenpää, **A. Amanov**
EFFECT OF SURFACE CONDITIONING ON THE TRIBOLOGICAL PERFORMANCE OF POLYMERIC COATED Ti-6Al-4V ALLOY FABRICATED BY ADDITIVE MANUFACTURING

18.20-18.40

Miroslaw Szala, Weronika Henzlera, Bernard Wyględacz, Artur Czupryński and Leszek Łatka
CAVITATION EROSION MECHANISMS IN NICKEL-BASED OVERLAYS DEPOSITED BY POWDER PLASMA TRANSFERRED ARC SURFACING

19.00-20.00 Dinner, **STARA KUCHNIA AND SPIŻARNIA** restaurant

20.00-21.00 PTT meeting, **BASTION MIŚ** room

Wednesday, September 9, 2026

7.30-8.30 Breakfast, **STARA KUCHNIA AND SPIŻARNIA** restaurant

8.30-10.00 Plenary session, **BASTION MIŚ** room

Chairman - prof.dr hab.inż. **Jarostaw Sęp**

8.30-9.00

Andreas Almqvist

Multi-Scale Analysis of Ski-Snow Friction in Cross-Country Skiing

9.00-9.30

Michel Fillon

Behind the Papers: Evolution, Quality, and Challenges in Tribology Research

9.30-10.00

Thomas Hagemann
An Overview on Sliding Planet Gear Bearings for Wind Turbine Applications

10.00-10.20 Coffee break

10.20-11.20 Sponsors session, **BASTION MIŚ** room

Chairman - prof.dr hab.inż.**Michał Wasilczuk**

10.20-10.40 **Technolutions Sp. z o.o.**

10.40-11.00 **Anton Paar Poland Sp. z o.o.**

11.00-11.20 **A&O EXPERT Sp. z o.o.**

11.30-12.30 Thematic session, **BASTION MIŚ** room

Advanced Coatings: Mechanical and Tribological Performance

Chairman - dr hab.inż.**Śławomir Żimowski**, prof. AGH

11.30-11.50

Marcin Kot, Major Łukasz, Jurgen Lackner
FRACTURE TOUGHNESS ANALYSIS OF ADVANCED MICROSTRUCTURE COATINGS USING SPHERICAL INDENTATION TECHNIQUE

11.50-12.10

Joanna Kowalczyk, Monika Madej, Marcin Kowalski
ASSESSMENT OF THE TRIBOLOGICAL PERFORMANCE OF AlTiSiN, AlCrN, AND AlTiN/TiSi_xN COATINGS UNDER TECHNICALLY DRY SLIDING CONDITIONS

12.10-12.30

Marzena Lachowicz, Marcin Kaszuba
THE INFLUENCE OF NITRIDED LAYER DEGRADATION ON THE TRIBOLOGICAL PROPERTIES OF TOOL STEEL

11.30-12.30 Thematic session, **BASTION WILK** room

Lubrication Engineering, Lubricants and Rheological Systems

Chairman - dr hab.inż.**Andrzej Dzierwa**, prof. PRz

11.30-11.50

Arkadiusz Chodkiewicz, Krzysztof Gocman, Tadeusz Kałdoński
STABILITY OF HEXAGONAL BORON NITRIDE DISPERSION IN LUBRICATING COMPOSITIONS AND ITS EFFECT ON SELECTED PERFORMANCE PROPERTIES

11.50-12.10

Ewa Kadela, Maciej Paszkowski, Agnieszka Skibińska, Wojciech Krasodomski
EFFECT OF HYDRATION OF A CALCIUM SULFONATE GREASE THICKENED WITH OVERBASED CALCIUM SULFONATE ON FRICTION AND WEAR IN A TRIBOLOGICAL CONTACT

12.10-12.30

Artur Olszak, Anna Małysa, Karol Osowski, Dorota Kostrzewa, Wojciech Iwanicki, Jarosław Kotliński
TESTING THE TRIBOLOGICAL PROPERTIES OF VEGETABLE OILS

12.30-13.00 Coffee break with a sweet treat

13.00-14.20 Thematic session, **BASTION MIŚ** room

Tribological Materials and Advanced Engineering Materials

Chairman - dr hab.inż.**Magdalena Niemczewska-Wójcik**, prof. PK

13.00-13.20

Krzysztof Aniołek, Bazyli Zoń
MICROMECHANICAL AND TRIBOLOGICAL PROPERTIES OF THE Ti-13Nb-13Zr ALLOY AFTER THERMAL OXIDATION

13.20-13.40

Anna Dobrowolska-Brończuk, Piotr Kowalewski
TRIBOLOGICAL CHARACTERISATION OF ePTFE FIBRES UNDER SLIDING CONTACT WITH A METALLIC COUNTERELEMENT

13.40-14.00

Zhiwei Guo, Conglin Dong, Ke Li, Yan Zhang, Chengqing Yuan
THE TRIBOLOGICAL PERFORMANCE OF LIGNUM VITAE INSPIRED COMPOSITE MATERIALS UNDER WATER LUBRICATION.docx

14.00-14.20

Mateusz Kotkowiak, Daria Piechowiak-Osak, Grzegorz Adamek, Piotr Paczos 1 and Adam Piasecki
TRIBOLOGICAL PROPERTIES OF Ti6Al4V ALLOY MODIFIED WITH SOLID LUBRICANT ADDITIVES

13.00-14.20 Thematic session, **BASTION WILK** room

Brake Tribology, Friction Materials and Wear Emissions

Chairman - dr hab.inż.**Marcin Kot**, prof. AGH

13.00-13.20

Henryk Bąkowski, Wioletta Cebulska, Przemysław Marzec
THE IMPACT OF TRIBOLOGICAL WEAR OF FRICTION COMPONENTS IN RAILWAY BRAKING SYSTEMS ON ENVIRONMENTAL POLLUTION

13.20-13.40

Ariel Pawłowski, Marcin Darowny, Łukasz Kłapiszewski
INFLUENCE OF PRECIPITATION- SYNTHESIZED SULFIDES IN FRICTION MATERIALS ON BRAKING PERFORMANCE AND BRAKE DUST EMISSIONS IN AIR DISC BRAKES

13.40-14.00

Posmyk Andrzej, Hanny Myalska-Głowacka, Andreas Wank
INFLUENCE OF SURFACE TREATMENT OF CAST IRON BRAKE DISCS ON THEIR WEAR RESISTANCE

14.00-14.20

Zbigniew Skorupka, Yurii Tsybrii, Oleksii Nosko, Pavlo Nosko
EFFECT OF HYDRAULIC PRESSURE ON AVIATION BRAKE PERFORMANCE

14.20-15.20 Lunch, **STARA KUCHNIA AND SPIŻARNIA** restaurant

16.00-17.20 Young scientists session, BASTION MIŚ room
Tribological Materials and Lubrication under Challenging Conditions
Chairman - dr hab.inż. Przemysław Tyczewski , prof. PP
16.00-16.20
Martyna Kiełb , Piotr Kowalewski, Anita Ptak EFFECT OF X-RAY IRRADIATION ON THE TRIBOLOGICAL AND MICROMECHANICAL PROPERTIES OF SELECTED POLYMERIC MATERIALS INTENDED FOR SPACE APPLICATIONS
16.20-16.40
Maciej Łuszcz , Remigiusz Michalczewski, Marek Kalbarczyk, Wojciech Łoński, Marcin Podsiadło WEAR RESISTANCE OF CERMET TITANIUM-BASED MATERIALS WITH HBN ADDITION IN ELEVATED TEMPERATURE
16.40-17.00
Barbara Drenda , Wojciech Horak TRIBOLOGICAL AND RHEOLOGICAL PROPERTIES OF MAGNETORHEOLOGICAL FLUIDS FORMULATED WITH BIO-BASED CARRIER LIQUIDS
17.00-17.20
Jędrzej Koralewski IMPACT OF RUN-IN PARAMETERS AND PARTICULATE CONTAMINATION ON THE TRIBOLOGICAL PERFORMANCE OF WATER-LUBRICATED POLYMER STERN TUBE BEARINGS

16.00-17.20 Thematic session, BASTION WILK room
Tribology of Bearings, Sliding Systems and Power Transmission
Chairman - prof.dr.hab. Andrzej Posmyk
16.00-16.20
Agnieszka Barszczewska , Wojciech Litwin, Michał Wodtke COMPARATIVE STUDY OF THE PERFORMANCE OF STERN TUBE BEARINGS LUBRICATED WITH WATER AND A WATER-BASED BIODEGRADABLE LUBRICANT UNDER CONDITIONS OF INSUFFICIENT LUBRICANT FLOW
16.20-16.40
Szymon Senyk , Krzysztof Gocman, Tadeusz Katdoński APPLICATION OF STRIBECK CURVES FOR THE EVALUATION OF TRIBOLOGICAL PROPERTIES OF GREASES
16.40-17.00
Marcin Szczęch, Yuliia Tarasevych RHEOLOGICAL AND MAGNETIC PROPERTIES OF L-AN MINERAL OIL-BASED FERROFLUIDS
17.00-17.20
Amirreza Niazmehr , Georg Jacobs, Benjamin Lehmann, Peter Rößler, Markus Gilges, Thomas Petrzik HIGH-FIDELITY CFD ANALYSIS OF OIL DISTRIBUTION IN AND AROUND CYLINDRICAL ROLLER BEARINGS FOR GEARBOX-LEVEL FLOW PREDICTIONS

17.20-17.40 Coffee break

17.40-19.00 Young scientists session, BASTION MIŚ room
Advanced Tribological Testing and Performance Assessment
Chairman - dr hab.inż. Monika Madej , prof. PŚk
17.40-18.00
Grzegorz Orlicki , Jacek Łubiński COMPARATIVE TESTING OF THE OIL LUBRICANTS OPTICAL PROPERTIES' INFLUENCE ON THE OPTOELECTRONIC MEASUREMENTS OF SLIDING CONTACTS' PARAMETERS
18.00-18.20
Igor Radoch , Wojciech Wieleba DESIGN OF A VACUUM TRIBOLOGICAL TEST STAND – APPLICATION AND CAPABILITIES
18.20-18.40
Jolanta Krupa , Sławomir Zimowski FROM MICRO-IMPACT TESTS TO WEAR PREDICTION: INTEGRATING TRIBOLOGY AND MACHINE LEARNING
18.40-19.00
Mateusz Niedźwiedź , Marek Bara, Joanna Korzekwa INFLUENCE OF COUNTER-SAMPLE MATERIAL (Al_2O_3 , ZrO_2 , SiC AND WC) ON THE TRIBOLOGICAL PROPERTIES OF PEO COATINGS FORMED ON AZ31B MAGNESIUM ALLOY

17.40-19.00 Thematic session, BASTION WILK room
Advanced Materials and Applications in Additive Manufacturing
Chairman - dr hab.inż. Michał Libera
17.40-18.00
Janusz Musiał, Katarzyna Zasińska , Milena Supernak, Adam Troszyński ANALYSIS OF THE TRIBOLOGICAL PROPERTIES OF POLYAMIDE PRODUCED BY TRADITIONAL AND ADDITIVE METHODS
18.00-18.20
Karol Osowski , Jarosław Kotliński, Tomasz Bloch, Artur Olszak, Wojciech Iwanicki, Dmitrij Morozow SURFACE QUALITY ASSESSMENT OF A Co-Cr ALLOY MANUFACTURED USING THE L-PBF METHOD
18.20-18.40
Jakub Rutkowski , Janusz Musiał, Izabela Rojek, Adam Troszyński COMPARATIVE ANALYSIS OF THE TRIBOLOGICAL PROPERTIES OF CAD/CAM PMMA AND 3D-PRINTED DENTAL RESIN UNDER SIMULATED BRUXISM CONDITIONS
18.40-19.00
Katarzyna Zasińska , Janusz Musiał, Michał Wasilczuk, Małgorzata Łazarska MECHANICAL AND TRIBOLOGICAL PROPERTIES OF ABS, ASA AND PA COMPONENTS MANUFACTURED BY FDM METHOD

19.30 Gala dinner, **STARA KUCHNIA AND SPIŻARNIA** restaurant

Thursday, September 10, 2026

7.30-8.45 Breakfast, **STARA KUCHNIA AND SPIŻARNIA** restaurant

8.45-10.45 Plenary session, **BASTION MIŚ** room

Chairman - prof.dr hab.inż.**Wojciech Wieleba**

8.45-9.15

Florian König

From Harsh Environments to Reliable Operation: Tribology of Offshore Systems

9.15-9.45

Adolfo Senatore

When Silence Reveals Friction: NVH (Noise, Vibration, Harshness) Challenges in Electric Vehicles

9.45-10.15

Ian Sherrington

Accessible Approaches to Modelling Mixed Friction

10.15-10.45

Benyebka Bou-Saïd

Frictional Stability of Superelastic Nitinol Stents at the Arterial Interface

10.45-11.15 Coffee break with a sweet treat

11.30-14.30 Trip - **Wisłoujscie Fortress**

14.30-15.30 Lunch, **STARA KUCHNIA AND SPIŻARNIA** restaurant

16.00-18.00 Poster session, **BASTION MIŚ** room

Chairman - dr hab.inż.**Janusz Musiał**, prof. PG

Krzysztof Ligier, Magdalena Lemecha, Oleksandr Vrublevskyj, Dariusz J. Choszcz 3D TOPOGRAPHY-BASED EVALUATION OF ABRASIVE WEAR OF AN AGRICULTURAL TOOL IN RELATION TO ABRASIVE PARTICLE MOTION DIRECTION

Waldemar Karaszewski A NEW METHOD FOR DEFINING CRITICAL STRESS INTENSITY FACTORS FOR MIXED LOADING IN CERAMIC ROLLING ELEMENTS

Michał Libera AN ANALYTICAL METHOD FOR CALCULATING THE DYNAMIC LOAD RATING OF ROLLING BEARINGS FOR NUMERICAL APPLICATIONS

Marcin Kowalewski, Jerzy Napiórkowski, Łukasz Konat ASSESSMENT OF THE WEAR RESISTANCE OF HARDOX HIACE STEEL IN ABRASIVE ENVIRONMENTS

Tadeusz Leśniewski, Karol Trzebiński COMPARATIVE STUDIES OF LUBRICANTS USED IN PRECISION MECHANICS, USING WATCH MECHANISMS AS AN EXAMPLE

Piotr Kowalewski, Anna Dobrowolska-Brończyk CONCEPT OF A TEST STAND FOR TRIBOLOGICAL INVESTIGATION OF SINGLE FIBRES AND THREAD-BASED SLIDING STRUCTURES

S.Armda, M.Wodtke, S. Bernat, E. Valaker, Jacek Frost, W. Litwin ENVIRONMENTALLY ACCEPTABLE LUBRICANTS FOR STERN TUBE APPLICATIONS: A VIABLE ALTERNATIVE

Anita Ptak, Hanna Próchniak, Martyna Kiełb EFFECT OF 3D-PRINTED BIOMIMETIC SURFACE TEXTURES ON TRIBOLOGICAL PROPERTIES

Paweł Szczygieł, Krystyna Radoń-Kobus, Monika Madej EFFECT OF CASTING ORIENTATION IN ADDITIVELY MANUFACTURED MOLDS ON THE TRIBOLOGICAL PROPERTIES OF SILICONE

Justyna Sokolska EFFECT OF COATING THICKNESS ON ABRASIVE AND EROSIVE WEAR OF THE POLYURETHANE COATING

Konat Łukasz, Zemlik Martyna, Bárta Jozef EVALUATION OF THE INFLUENCE OF THE LASER WELDING PROCESS ON THE MECHANICAL AND TRIBOLOGICAL PROPERTIES OF SELECTED LOW-ALLOY MARTENSITIC STEEL WITH BORON

Jacek Przepiórka, Wojciech Żurowski IDENTIFICATION OF TRIBOLOGICAL CHARACTERISTICS OF POLYURETHANE SOLES IN COMBINATION WITH DIFFERENT FLOORS

Arkadiusz Stachowiak, Dariusz Ulbrich, Przemysław Tyczewski, Marcin Kowalski, Wiesław Zwierzycki IMPACT OF LASER SCANNING SPEED ON THE TRIBOCORROSION OF ADDITIVELY MANUFACTURED 316L STEEL

Monika Madej, Martin Vicen, Otakar Bokuvka, Justyna Kasińska, Katarzyna Piotrowska, Joanna Kowalczyk, Krystyna Radoń-Kobus, Szymon Drabik INFLUENCE OF THE ADHESION INTERLAYER TYPE ON THE FRICTION AND WEAR BEHAVIOUR OF DIAMOND-LIKE CARBON (DLC) COATINGS

Magdalena Niemczewska-Wójcik METHODOLOGY FOR COMPREHENSIVE RESEARCH AND ASSESSMENT OF GEOMETRIC STRUCTURE OF THE SURFACE

Łukasz Bojko MICROSTRUCTURAL AND MICROMECHANICAL TESTS OF ACRYLIC TEETH FOR REMOVABLE DENTURES

Rushdha Hiba Thekkan, Szymon Bernat, Nuria Espallargas SURFACE FUNCTIONALISATION OF GRAPHENE OXIDE AS AN ADDITIVE FOR ENVIRONMENTALLY ACCEPTABLE LUBRICANTS (EALs)

Weronika Milanowska, Dominik Wołosz, Paweł Parzuchowski SUSTAINABLE POLYMERS AS GREASES THICKENERS

Mariusz Jenek, Albert Lewandowski, Andrzej Dzierwa THE EFFECT OF CUTTING TOOL WEAR IN THE TURNING PROCESS ON THE SURFACE LAYER CONDITION OF MACHINED COMPONENTS

Albert Lewandowski, Mariusz Jenek, Andrzej Dzierwa THE INFLUENCE OF MOLYBDENUM DISULFIDE ADDITIVE ON THE PROPERTIES OF 18HGT STEEL COMPONENTS IN THE BURNISHING PROCESS USED IN WIND TURBINE GEARBOXES

Magdalena Lemecha, Krzysztof Ligier, Oleksandr Vrublevskyi THE INFLUENCE OF THE DISTRIBUTION OF CARBIDE PRECIPITATES IN THE MICROSTRUCTURE ON THE MECHANISMS AND INTENSITY OF MICROABRASIVE WEAR OF MULTIPHASE MATERIALS

Wojciech Tarasiuk, Mariusz Liszewski THE INFLUENCE OF THE SIZE OF THE CONTACT SURFACE ON THE TRIBOLOGICAL CHARACTERISTICS OF ELEMENTS MADE USING 3D PRINTING TECHNOLOGY

Wojciech Tarasiuk, Mariusz Liszewski THE STUDY OF THE INFLUENCE OF THE SIZE OF THE CONTACT SURFACE ON THE INTENSITY OF THE GENERATION OF WEAR PARTICLES INTO THE ATMOSPHERE

Adam Piasecki, Grzegorz Adamek, Mateusz Kotkowiak, Aleksandra Kowalska TRIBOCORROSION PROPERTIES OF X5CrNi18-10 STEEL IN NaCl SOLUTION

Mieczysław Pancielejko, Magdalena Rowicka, Tomasz Suszko, Karolina Kminikowska, Ewa Deszcz TRIBOLOGICAL CHARACTERISTIC AND MECHANICAL PROPERTIES OF ZrN COATINGS DEPOSITED ON Ni-Ti ALLOY SUBSTRATES

19.00 Barbecue dinner - **BASTION WILK** room

Friday, September 11, 2026

7.30-8.45 Breakfast, **STARA KUCHNIA AND SPIŻARNIA** restaurant

9.00-10.00 Thematic session, BASTION MIŚ room Tribological Performance under Manufacturing and Operating Conditions Chairman - dr hab.inż.Janusz Krawczyk, prof. AGH 9.00-9.20 Wojciech Łoński, Michał Gibała, Konrad Iwański, Maciej Łuszcz INFLUENCE OF 3D PRINTING PROCESS PARAMETERS ON THE TRIBOLOGICAL PROPERTIES OF PLA SAMPLES 9.20-9.40 Wojciech Wieleba, Igor Radoch, Mariusz Opałka THE EFFECT OF VACUUM EXPOSURE ON THE TRIBOLOGICAL PROPERTIES OF ELEMENTS MANUFACTURED FROM SELECTED POLYMERS USING 3D PRINTING (FDM) TECHNOLOGY 9.40-10.00 Remigiusz Michalczewski, Marek Kalbarczyk, Maciej Łuszcz, Andrzej N. Wieczorek THE EFFECT OF CONTACT STRESS ON SURFACE FATIGUE OF DLC-COATED SPUR GEARS	9.00-10.00 Thematic session, BASTION WILK room Tribological Performance: Materials, Lubrication and Optimization Chairman - dr hab.inż.Henryk Bąkowski, prof. PŚ 9.00-9.20 Patrycja Korzeniowska, Dominika Grygier, Mariusz Opałka EFFECT OF TEMPERATURE AND OVERHEATING CONDITIONS ON THE TRIBOLOGICAL PROPERTIES OF STELLITE 6 ALLOY 9.20-9.40 Maciej Paszkowski, Ewa Kadela, Wojciech Krasodomski, Agnieszka Skibińska, Rafał Kozdrach MECHANISM OF WATER-INDUCED DESTABILIZATION OF SULFONATE GREASE STRUCTURE: A RHEOLOGICAL INTERPRETATION AND TRIBOLOGICAL IMPLICATIONS 9.40-10.00 Jarosław Sep, Andrzej Dzierwa SELECTION OF WEIGHTS FOR TRIBOLOGICAL CHARACTERISTICS IN MULTI-CRITERIA OPTIMIZATION
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10.00-10.20 Coffee break

10.20-11.20 Thematic session, BASTION MIŚ room Tribological Testing, Numerical Modelling and Process Optimization Chairman - dr hab.inż.Jacek Łubiński, prof. PG 10.20-10.40 Piotr Osada, Marcin Kot, Renata Wojnarowska-Nowak, Remigiusz Michalczewski, Sławomir Kąc, Jürgen M. Lackner, Łukasz Błajszczak a-C-MoS₂ NANOCOMPOSITE COATINGS: TRIBOLOGICAL ADAPTATION UNDER CYCLIC PRESSURE AND TEMPERATURE 10.40-11.00	10.20-11.20 Thematic session, BASTION WILK room Friction, Wear and Operational Tribology Chairman - dr hab.inż.Michał Wodtke, prof. PG 10.20-10.40 Marek Bara, Joanna Korzekwa, Mateusz Niedźwiedź, Anna Taratuta INFLUENCE OF APPLIED UNIT PRESSURE ON MOTION RESISTANCE OF THE EN-GJL-250 CAST IRON – AA0-CU COATING ASSOCIATION 10.40-11.00
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Krystyna Radoń-Kobus , Monika Madej THE IMPACT OF SIMULATED HUMAN BODY FLUID ENVIRONMENTS ON THE PROPERTIES OF CRN AND CRN/DLC COATINGS DEPOSITED ON 316L STEEL
11.00-11.20
Jan Zwolak , Marek Martyna INFLUENCE OF SELECTED ELEMENTS OF THE MESHING GEOMETRY ON THE CHARACTERISTICS OF THE ROLLING-SLIDING CONTACT IN THE GEARS OF THE POWER SHIFT TRANSMISSION

Michał Formela , Jacek Łubiński, Leandro Grizzo EVOLUTION OF THE FRICTION COEFFICIENT DURING THE RUNNING-IN PHASE OF FRICTION ELEMENTS IN A TORSIONAL VIBRATION DAMPER FOR A MOTOR VEHICLE DRIVETRAIN
11.00-11.20
Andrzej N. WIECZOREK SYNERGY IN THE OPERATIONAL PROCESSES OF MINING MACHINERY

11.30-12.30 Summary and conclusion of the conference
Chairman of the conference - prof.dr hab.inż. Michał Wasilczuk
President of the Polish Tribology Society - prof.dr hab.inż. Jarosław Sęp
12.30-13.30 Lunch, STARA KUCHNIA AND SPIŻARNIA restaurant