



9th January 2026
Gliwice, Poland

DEPARTMENT OF ENGINEERING MATERIALS AND BIOMATERIALS
FACULTY OF MECHANICAL ENGINEERING
SILESIA UNIVERSITY OF TECHNOLOGY

INTERNATIONAL STUDENTS SCIENTIFIC CONFERENCE

INTERNATIONAL STUDENTS SCIENTIFIC CONFERENCE

TALENTDETECTOR2026_WINTER

SILESIA UNIVERSITY OF TECHNOLOGY, GLIWICE, POLAND
09 JANUARY 2026

The International Student Scientific Conference TalentDetector2026_Winter aims to integrate the student and scientific community dealing with topics related to material technologies. It is a place that gives the opportunity to exchange experiences, knowledge, skills and present current scientific achievements, developing and expanding students' interests in the field of materials engineering, surface engineering, biomaterials and biomedical engineering, nanotechnology, pro-ecological technologies and computer materials science. The conference allows for the presentation of projects conducted with the industry as part of the activities of Student Scientific Circles, doctorates, projects implemented in the form of PBL - Project Based Learning as part of the Excellence Initiative - Research University at the Silesian University of Technology, projects in the framework of EURECA PRO/European University in Responsible Consumption and Production and international bilateral cooperation between Universities.

CONFERENCE ORGANIZER

Materials Science Circle of the Association of Alumni of the Silesian University
of Technology, Gliwice, Poland



CONFERENCE CO-ORGANIZER

Department of Engineering Materials and Biomaterials, Faculty of Mechanical
Engineering, Silesian University of Technology, Gliwice, Poland



TalentDetector HISTORY

The International Student Scientific Conferences TalentDetector since 2018 have been a place for the exchange of experience, knowledge, skills and presentation of students' current scientific achievements in the field of materials engineering, surface engineering, biomaterials and biomedical engineering. As part of the conference, two international scientific monographs, TalentDetector_Summer and TalentDetector_Winter, are published annually, which already contain over 760 scientific articles resulting from the implementation of PBL, EURECA PRO, Students Scientific Circles projects and projects with secondary school students with international authors. Participation in the form of presentations and posters in TalentDetector International Student Scientific Conferences allows members of the project teams to integrate the student and scientific community of the Silesian University of Technology as well as young staff from foreign research centres in Armenia, Austria, Brazil, China, Czech Republic, Ethiopia, Ghana, Georgia, Iran, Romania, Slovakia, South Africa, Ukraine and Turkey, dealing with topics related to materials technologies.

Scientific monographs are prepared based on articles, mostly with international authors, reviewed by an international scientific committee. The initiative of the cyclical organization of the International Student Scientific Conference TalentDetector significantly expands activities in the field of student education, organizational and popularization activities for the scientific community related to materials engineering at the national and international level.

Thanks to extensive international cooperation, over 270 articles were published free of charge.

INTERNATIONAL STUDENTS SCIENTIFIC CONFERENCE

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prof. Mykola Skyba, Khmelnytskyi National University, Khmelnytskyi, Ukraine
prof. Tomasz Tański, Silesian University of Technology, Gliwice, Poland
doc. Miroslava Tavodova, Technical University in Zvolen, Zvolen, Slovakia
prof. Eva Tillova, University of Zilina, Zilina, Slovakia
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prof. Yao Jing, Yanshan University, Qinhuangdao, China

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Number of cooperating universities: 17

City University Qatar, Doha, Qatar
Federal University of Rio Grande do Sul, Porto Alegre, Brazil
Gazi University, Ankara, Turkey
Gebze Technical University, Gebze, Turkey
Georgian Technical University, Tbilisi, Georgia
Khmelnytskyi National University, Khmelnytskyi, Ukraine
Laserinstitut Hochschule Mittweida, Mittweida, Germany
Pamukkale University, Denizli, Turkey
Silesian University of Technology, Gliwice, Poland
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Technical University in Zvolen, Zvolen, Slovakia
University of Petroșani, Petroșani, Romania
University of Pristina, Pristina, Kosovo
University of Zilina, Zilina, Slovakia
Yanshan University, Qinhuangdao, China
Yerevan State University, Yerevan, Armenia

The history of TalentDetector in numbers:

2018

TalentDetector 2019 (Gliwice)
Number of articles: 59
Number of authors: 206
Number of countries: 1

2021

TalentDetector2021_Winter (Gliwice)
Number of articles: 37
Number of authors: 134
Number of countries: 2

TalentDetector2021_Summer (Zawiercie)
Number of articles: 57
Number of authors: 273
Number of countries: 3

2022

TalentDetector2022_Winter (Gliwice)
Number of articles: 79
Number of authors: 179
Number of countries: 4

TalentDetector2022_Summer (Wisła)
Number of articles: 79
Number of authors: 176
Number of countries: 4

2023

TalentDetector2023_Winter (Gliwice)
Number of articles: 73
Number of authors: 143
Number of countries: 6

TalentDetector2023_Summer (Brenna)
Number of articles: 105
Number of authors: 173
Number of countries: 9

2024

TalentDetector2024_Winter (Gliwice)
Number of articles: 82
Number of authors: 135
Number of countries: 7

TalentDetector2024_Summer (Gliwice-Zilina)
Number of articles: 84
Number of authors: 147
Number of countries: 8

2025

TalentDetector2025_Winter (Gliwice)
Number of articles: 95
Number of authors: 173
Number of countries: 9

TalentDetector2025_Summer (Brenna)
Number of articles: 87
Number of authors: 143
Number of countries: 10

TalentDetector2025_Yanshan (Gliwice)
Number of articles: 12
Number of authors: 29
Number of countries: 1

TalentDetector2025_Prom (Gliwice)
Number of authors: 15
Number of countries: 6

2026

TalentDetector2026_Winter (Gliwice)
Number of articles: 87
Number of authors: 182
Number of countries: 8

INTERNATIONAL STUDENTS SCIENTIFIC CONFERENCE

PROGRAM OF THE INTERNATIONAL STUDENTS SCIENTIFIC CONFERENCE

TalentDetector2026_Winter

FRIDAY 09th JANUARY 2026 Aula B, Education and Congress Center, Silesian University of Technology, Gliwice, Poland
08:00 – 09:00 Registration of participants
09:00 – 09:15 Opening Ceremony of TalentDetector2026_Winter Chairman: Prof. Mirosław Bonek
Opening lectures
09:15 – 09:30 Investigation of Magnesium and its Alloys for Biodegradable Implant Applications Melisa Šnircová, Peter Palček, Martin Slezák, Milan Uhřík University of Zilina, Zilina, Slovakia
09:30 – 09:45 Design and Implementation of an Active Self-Leveling Chassis for a Mobile Exploration Rover Michał Lasak, Maja Rudnicka, Kamil Moszumański, Franciszek Borgosz, Dariusz Myszor Silesian University of Technology, Poland
09:45 – 10:00 SMARTGrip - A modular wireless system for interactive motor skills therapy Daniel Ślusarz, Piotr Kubara, Krzysztof Bilik, Julian Czaja, Marcin Śliwiński, Tomasz Jelonek, Paweł Łój, Małgorzata Muzalewska, Silesian University of Technology, Poland
10:00 – 10:30 Coffee break - opening ceremony of the poster session
10:30 – 13:00 Scientific session TalentDetector2026_Winter (presentation time 10 min) Chairmans: Dr. Magdalena Szindler, Dr. Marek Szindler
Recycling of multilayer polymer composites – verification of mechanical properties, prediction of application possibilities Krzysztof Albrecht, Jakub Pyka, Agnieszka J. Nowak, Anna Krzak
Analysis of the mechanical properties of biodegradable composite materials fabricated from components derived from renewable sources Katarzyna Borowiecka, Agnieszka J. Nowak
How modern AI supports Power Line detection Józef Cyran, Adam Brzezowski, Julian Koterba, Michał Sujkowski
Design and construction of an automatic vertical hammer for impact strength testing in accordance with IEC 60068-2-75 Tomasz Janica, Kamil Kohut, Dawid Osińczuk, Dominik Szlichcin, Daniel Wala, Mariola Jureczko
Comparison of different heat treatment types of amorphous metallic materials Inez Kredowska, Wirginia Pilarczyk, Kacper Górski, Oskar Węgrzyn
Investigation of mechanical damage to aircraft landing gear components Dawid Matuszak, Piotr Kubica, Marianna Muszyńska, Daniel Pakuła, Marcin Staszuk
SHORT BREAK

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A Validation Methodology for VIDAR: Vision-Based Depth Estimation Systems in Automotive Applications

Dariusz Myszor, Michał Polończyk, **Michał Lasak**

Comparative Analysis of Person Re-identification Architectures for Gate-less Access Control on Edge AI Platforms

Marcin Paszkuta, Damian Pęszor, Bram Heijligers, **Jakub Antonowicz, Kamil Ceglarski, Artur Szaboń, Alek Pala, Dominik Szewczyk**

Design and implementation of an autonomous HMI terminal for presenting research results on fine-crystalline structure formation in metals via laser modification

Natalia Rupala, Mirosław Bonek

Concept of electronic checklists using AR glasses in general aviation

Michał Sujkowski, Piotr Pulit, Aleksandra Gruszka, Michał Szendzielorz, Michał Lach, Dariusz Myszor, Magdalena Mrozik

Generating Binary Segmentation Masks for Neural Networks using COCO Annotation Format

Jagoda Więcek, **Julian Koterba, Michał Sujkowski, Eugeniusz Piechoczek**

Analysis of the Influence of Measurement Technique on the Determination of the Critical Micelle Concentration of Ionic Surfactants with Varying Molecular Weights

Zofia Witkowska, Anna Mielańczyk, Oliwia Chojecka, Natalia Swoboda, Adrianna Hadyk, Szymon Siedlaczek, Artur Bal

Additive Manufacturing of Thermoplastic Elastomer Components for Archery Applications

Wojciech Tokarz, Błażej Tomiczek

13:00 – 13:30

Lunch break

10:00 – 14:00

Poster session

Chairman: Dr. Aleksandra Drygała, Dr. Barbara Grzegorzczak

Accuracy Assessment and Verification of the GOM ATOS 3D Optical Scanner Using Mitutoyo Reference Etalons

Dylon Bajgora, Vladimir Dukovski, Mitre Tomov, Afrim Gjellaj, Fatmir Azemi

Manual laser braze welding of galvanized automotive sheets

Sławomir Benz, Sebastian Bartkowiak, Aleksandra Bodnar, Łukasz Chłud, Tomasz Haręźlak, Katarzyna Jędrzejczyk, Piotr Karski, Igor Klima, Artur Czapryński

Modification of unmanned aerial vehicles for combat missions and increasing efficiency using modern technologies

Dima Beridze, Givi Sanadze

Design and Construction of an Experimental Setup for Dry Particle Jet Erosion Testing of Materials

Daniel Bujara, Szymon Markocki, Bartłomiej Bodziach, Mikołaj Figołuszka, Łukasz Połap, Kacper Stania, Kamil Szałaśny, Marek Kremzer, Błażej Tomiczek

The Role of Surface Engineering in Enhancing the Service Life and Performance of Mechanical Components

Saba Chakhaia

Influence of SLM process parameters on quality of Mediloy samples

Martyna Ciaś, Michalina Ziółkowska, Adam Popis, Magdalena Szindler, Mariusz Król, Wojciech Sitek

Zdvíhacie mechanizmy do 3,5t pre parkovanie pod zemou

Sebastián Dlugosch, Matúš Vereš

Studies of technological parameters of rapid deformation processes

Olha Drobot, Oleh Polishchuk, Oleh Babak, Mirosław Bonek, Roman Cholovskij, Svitlana Pidgaichuk

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Passivation of 304 steel using nitric acid (V) and alternatively citric acid

Aleksandra Duda, Laura Junka, Marcin Magaczewski, Dawid Maliszak, Michał Mężyński, Arkadiusz Peczałka, Mikołaj Sas, Monika Kciuk, Monika Spilka

Development of unmanned aerial vehicle control systems

Pavle Eprikian, Givi Sanadze

Studies of the structure of food and spices using light, stereoscopic and scanning microscopy

Małgorzata Fligier, Lena Maksimowicz, Anna Włodarczyk-Fligier, Magdalena Polok-Rubinić, Aneta Kania

Selection of control devices and 3D printing technology in an automated greenhouse project

Maurycy Frydecki, Karol Tkałka, Magdalena Koźlik, Kacper Strukowski, Kamil Kołodziej, Marcin Jaroszek, Mariusz Król, Marcin Bilewicz, Vojtěch Macejko, Eliška Posmyková

Smart aquarium as an example of modern methods of water environment control

Maurycy Frydecki, Karol Tkałka, Magdalena Koźlik, Kacper Strukowski, Kamil Kołodziej, Marcin Jaroszek, Mariusz Król, Marcin Bilewicz, Vojtěch Macejko, Eliška Posmyková

Structured Methodology for Selecting and Evaluating Distance Sensors in Wearable Obstacle Detection Systems

Wiktoria Głuch, Jarosław Paduch

Laser surface modification of tool steel: remelting and alloying with boron carbide

Kacper Górski, Zofia Modlińska, Oskar Węgrzyn, Wojciech Pakieła, Mirosław Bonek, Olek Polishchuk

Investigation into the Corrosion Resistance of Electrolytically Zinc-Coated Steel via Electro-Assisted Lacquering

Gulsen Guven, Bektas Eker, Berat Ozturk, Cemal Meran

Microstructural investigation of hybrid coatings combining PVD and ALD techniques using scanning electron microscopy

Jakub Gwóźdź, Vladyslav Makar, Daniel Pakuła, Marcin Staszuk

Overview of Hydrogen Embrittlement in Weld Joints of High-Strength Steels: Mechanisms, Risks, and Mitigation

Branislav Hajas, Denisa Straková

Shaping the fine-crystalline structure of metals through innovative laser processing

Krzysztof Hlubek, Michał Kopciowski, Mirosław Bonek

Secondary Aluminium Alloys for Sustainable Electric Mobility: Production Routes, Limitations and Future Perspectives

Edita Illichmanová, Zuzana Straková, Eva Tillová, Lenka Kuchariková

Kinetyka przemian fazowych w stopach metali - podstawy teoretyczne analizy termiczno-derywacyjnej

Ewa Jędryka, Mateusz Kuźnik, Franciszek Bednarz, Mariusz Krupiński

Analiza wpływu promieniowania jonizującego beta i gamma na polimerowe materiały kompozytowe na bazie żywicy epoksydowej

Magdalena Jureczko, Paweł Kałusek, Bartosz Kępski, Hubert Pyśk, Mariola Jureczko, Tomasz Bury, Maciej Mrówka

Study of the effect of Al doping on the properties of ZnO:Al nanoparticles used in electronics and photovoltaics

Emilia Krajewska, Jakub Kuta, Adrian Ścieszka, Jakub Rusinek, Magdalena Szindler, Marek Szindler

Properties of materials used for punches and dies produced via additive manufacturing

Mariusz Król, Juraj Beniak

Zabezpieczenie antykorozyjne profili stalowych

Amelia Krupińska, Laura Raczek, Tomasz Szeliga, Beata Krupińska

Wpływ składu chemicznego na krystalizację stopów metali

Amelia Krupińska, Tomasz Szeliga, Beata Krupińska

Umocnienie wydzieleniowe stopu Al-Si-Cu stosowanego na elementy silników pojazdów samochodowych

Mateusz Krupiński, Dominik Hatlapa, Szymon Kocot, Mariusz Krupiński

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Microstructural study of molybdenum silicide using scanning electron microscopy

Lew Lewandowski, Emilia Jackow, Mikołaj Łysień, Roland Fabiańczyk, Radosław Szklarek, Daniel Pakuła, Marcin Staszuk

3D-printed prosthetic foot prototype

Mateusz Liszka, Oliwier Lukoszek, Maik Bialas, Dominik Meisne, Jakub Kruk, Szymon Pala, Mateusz Konsek, Magdalena Polok-Rubinić, Anna Włodarczyk-Fligier, Aneta Kania

Microstructure and adhesion of TiAgN coating deposited by PVD technology

Paulina Lukaszewicz, Jozef Sondor, Krzysztof Lukaszewicz, Klaudiusz Gołombek

Research on solar cells with and without anti-reflective coatings

Jakub Madej, Urszula Rudzińska, Tomasz Stokłosa, Jakub Wydra, Paweł Gajek, Mikołaj Skorupa, Wojciech Filipowski, Aleksandra Drygała, Małgorzata Muszyńska-Staszuk

Protective Efficiency of Wax and Ceramic Coatings on Automotive Paints: A Comparative Study

Magdalena Markiewicz, Bartłomiej Wątroba, Julia Wawrzynek, Maciej Nogiej, Mateusz Sadowski, Wojciech Tokarz, Daniel Bujara, Marta Fizja, Marek Kremzer

Mechanical Characteristics of Selected Engineering Materials

Mateusz Marzec, Jan Popiołekiewicz, Sabina Lesz

Direct conversion of solar energy into electricity using solar cells

Adrian Mateja, Maksymilian Kwitek, Jakub Budzynowski, Oskar Górka, Eva Tillová, Peter Palček, Sabina Lesz, Aleksandra Drygała

Using Smart City components to develop a free city-centre transport system

Aleksandra Mikula, Marek Sroka

Compact waveguide microwave sensor based on coupled metallic rod resonators

Artyom Movsisyan, Tigran Abrahamyan, Hovhannes Haroyan, Arsen Babajanyan, Khachatur Nerkarayan

Analiza numeryczna rozkładu naprężeń i przemieszczeń w łożysku oczkowym przy zadanym obciążeniu oraz jego wizualizacja

Mateusz Musialik, Alan Nowak, Dominik Śliwa, Łukasz Mann, Wojciech Mikołajko, Agata Śliwa

Microwave Discrimination and Property Extraction in Metallic and Graphitic Nanofluids

Narek Nazaryan, Nelli Babajanyan, Artyom Movsisyan, Billi Minasyan, Arsen Babajanyan

Surface Evolution Characterization of a Duplex Treatment on AISI H13 Steel for Hot Forging Dies

João Vitor Piovesan Dalla Nora, Felipe Canal, Morvan Silva Franco, Frederico Murilo Wlassak, Rafael Silva, Steffen Aichholz, Alexandre da Silva Rocha

Structure and properties of CoCrFeNi and CoCrFeMo medium-entropy alloys obtained by induction melting and electrodeposition

Agata Ociepka, Jakub Wiecek, Miłosz Ferdyn, Michał Podgórski, Maksymilian Żukowski, Krzysztof Matus, Jakub Bicz, Katarzyna Młynarek-Żak, Monika Spilka, Rafał Babilas

Badanie wpływu zmian oprogramowania drona FPV na latencję, jakość transmisji analogowego systemu optycznego oraz charakterystykę lotu

Patrycja Ołubek, Konrad Piórkowski

Characteristic of a PEO+HVOF hybrid coatings sprayed onto a light magnesium alloy substrate

Rafał Orłowski, Leon Sułkowski, Filip Wolański, Ewa Jonda, Wojciech Pakieła

Design and construction of a controlled robotic manipulator

Patryk Pająk, Mateusz Ledwoń, Mateusz Zapiór, Zofia Kozak, Alexandra Kuś, Magdalena Szindler, Marek Szindler

Numerical analysis of the material selection influencing the mechanical properties of a wood chipping tool

Daniel Pella, Filip Bejm, Milena Pawlas, Joanna Tokarz, Adam Zyglowicz, Jakub Polis, Amadeusz Dziwis, Agata Śliwa, Marek Sroka, Ján Komendák, Samuel Zachar, Miroslava Tavodova

Numerical analysis of stresses occurring in a motorcycle belly pan during a fall

Daniel Pella, Filip Bejm, Milena Pawlas, Adam Zyglowicz, Joanna Tokarz, Jakub Polis, Agata Śliwa, Marek Sroka

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Kinetyka krystalizacji stopów Zn-Al z dodatkiem magnezu

Marek Polak, Zofia Kowal, Marta Byczek, Mariusz Krupiński

Current state and prospects of application of carbon-kevlar (aramid) fiber blends in polymer composites for 3D printing

Andrii Polishchuk, Mirosław Bonek, Oleh Polishchuk, Serhii Matiukh, Svitlana Lisevich, Artem Tolstiuk

Comparison of composite ballistic plates

Grzegorz Pośpiech, Paweł Kruczyński, Bartłomiej Kaciuba, Estera Nawrocka, Karolina Tykarska, Aneta Kania, Anna Włodarczyk-Fligier, Magdalena Polok-Rubinić

Analiza wytrzymałościowa deskorolki

Mateusz Puszczało, Szymon Puszczało, Agata Śliwa, Marek Sroka

Design and implementation of an application for the analysis of selected electrical parameters of solar cells

Szymon Rumniak, Szymon Garczarek, Krzysztof Wiśniewski, Rafał Honysz, Małgorzata Musztyfaga-Staszuk

Analiza numeryczna rozkładu naprężeń mających wpływ na wkrętak ręczny oraz jego wizualizacja

Adam Schwarz, Łukasz Buszka, Maksymilian Szweda, Monika Polak-Micewicz, Wojciech Mikołajko, Agata Śliwa

Ochronne powłoki fosforanowe na powierzchni stali

Rafał Siemionko, Paweł Barański, Mateusz Gala, Beata Krupińska

A Theoretical Review of Welding Technology for Ultra-High-Strength Steels (UHSS)

Lukáš Šikyňa, František Nový

Semiconductors as the foundation of the technological revolution

Tymoteusz Skóra, Marek Wojnarowski, Oskar Górka, Jakub Budzynowski, Małgorzata Musztyfaga-Staszuk, Janusz Wyrwał, Aleksandra Drygała

Precision casting of bone plates and their *in vitro* biological evaluation

Mateusz Słonka, Igor Szymiczek, Maciej Ejfler, Magdalena Skonieczna, Katarzyna Cesarz-Andrzejczak

Properties and behavior of austenitic steels in biomedical environments

Martin Slezák, Peter Palček, Melisa Šnircová, Milan Uhrčík

The influence of external friction on the temperature dependence of internal friction of steel

Yulia Sokolan, Kateryna Sokolan, Oleh Polishchuk, Mirosław Bonek

Secondary A356 Aluminium Alloys in the Automotive Industry: A review

Zuzana Straková

Analiza rozkładu naprężeń i odkształceń szlabanu parkingowego

Michał Szojda, Bianka Wyrobek, Agata Śliwa, Marek Sroka

Computational Cooling Bath Design for Energy Cable Extrusion Lines

Bercan Tarhan, Mehmet Oguz Turkoz, Muhammet Beler, Cemal Meran, Erkin Palamutcu, Umutcan Salkam

Analysis of the influence of laser cutting parameters on the technological properties of the process

Martyna Urbańska, Kinga Stępska, Marek Flak, Felicjan Glenc, Piotr Herian, Mirosław Bonek, Eva Tillova

Charakteristika ocelí s dôrazom na automatové ocele

Jozef Vicena, Milan Uhrčík

Design and Development of an Experimental Setup for Corrosion–Erosion Testing under Continuous Liquid Flow

Julia Wawrzynek, Błażej Tomiczek, Marek Kremzer

Assessment of applicability of continuous-wave Nd:YAG laser for heat treatment of Fe–Co–Nb–B amorphous ribbons

Oskar Węgrzyn, Kacper Górski, Jakub Otyński, Inez Kredowska, Wirginia Pilarczyk

Surface Modification of Advanced Bainitic Steels: A Comprehensive Review

Frederico Murilo Wlassak, Mario Wolfart Júnior, Thiago Marques Ivaniski, João Vitor P. Dalla Nora, Felipe Canal, Morvan Silva Franco, Alexandre da Silva Rocha

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Synergy of CAD/CAM systems and modern automation in laser cutter control processes

Jan Wypiór, Kinga Stępska, Katarzyna Ptasznik, Martyna Urbańska, Marek Flak, Mirosław Bonek, Eva Tillova

Formation of a fine-grained microstructure in metals by laser treatment

Jan Wypiór, Katarzyna Ptasznik, Piotr Konieczny, Bartosz Dziki, Natalia Rupala, Mirosław Bonek, Oleh Polishchuk

The role of metrology and roughness analysis in the laser cutting of steel

Jan Wypiór, Kinga Stępska, Katarzyna Ptasznik, Martyna Urbańska, Mirosław Bonek, Eva Tillova

Comparison of Weldability Characteristics of Different Welding Methods in Armor Steel

Ahmet Yilmaz, Efe Atılgan, Beytullah Keklik, Cemal Meran, Emre Korkmaz, Kazım Bilgin

Numerical analysis of the wear of the cutting edge of mulcher tool

Zuzanna Zielińska, Wiktoria Borowiec, Dominik Boho, Łukasz Lomania, Michał Szojda, Wojciech Mikołajko, Agata Śliwa, Marek Sroka, David Varholík, Peter Očovský, Miroslava Tavodova

Metallic Implant Used for Temporary Fracture Fixation

Jakub Živor, Viera Zatkáliková

Evaluation of the Weldability of Armor Steel with Low Carbon Structural Steels

Pakize Pinar Erbeyin, Alara Aytekin, Mert Cavus, Cemal Meran, Emre Korkmaz, Onur Celik

Procesy nanoszenia powłok ochronnych stosowanych na elementy maszyn i robotów przemysłowych

Marta Marianek, Beata Krupińska

Optymalizacja wybranych procesów inżynierii powierzchni

Marta Marianek, Beata Krupińska, Mateusz Krupiński

CoCrMoNi High-Entropy Alloys - A Review of Microstructure, Properties, and Applications

Kacper Górski, Natalia Bujak, Justyna Czyrw, Aleksandra Piechowiak, Łukasz Opara, Wiktor Łaziński, Inez Kredowska, Wirginia Pilarczyk

Zaprojektowanie i wytworzenie spersonalizowanej hybrydowej osłony balistycznej opartej na kompozytach polimerowo-ceramicznych

Szymon Branc, Filip Hałas, Michał Lepieszka, Jakub Niziołek, Paweł Wilk, Adrian Wrześniewski, Edita Illichmanová, Melisa Šnircová, Lenka Kuchariková, Grzegorz Chladek, Klaudiusz Gołombek

Energy Dispersive X-ray Spectroscopy Analysis of ZnO Dye Sensitized Solar Cells Photoanodes

Elizabeth Addae, Wojciech Sitek, Marek Szindler

14:00 – 14:10

Closing ceremony of TalentDetector2026_Winter