

A collage of three photographs of a classical building, likely the Lviv University of Science and Technology. The top photo shows a green dome with a cross on top. The middle photo shows a large, dark dome. The bottom photo shows a multi-story building with many windows and classical architectural details. The photos are arranged in a triangular pattern, separated by white lines.

International Young
Scientists Conference on
**MATERIALS SCIENCE and
SURFACE ENGINEERING**

**CONFERENCE
PROGRAM**



LVIV | SEPT 24-26, 2025

SCHEDULE - AT - A - GLANCE

TIME	WEDNESDAY September 24, 2025	THURSDAY September 25, 2025	FRIDAY September 26, 2025	
09:00 10:00	Participant Registration	Participant Registration		Participant Registration
		Plenary Session		MPMS
10:00 10:15	Opening Ceremony		CPM	
	Plenary Session			
10:15 10:40	Coffee-Break/ Group Photo		Coffee-Break	
	11:00 12:30	MPMS		
12:30 13:30		Lunch		CPM
	Lunch		FMSM	MPMS
13:30 15:00	MPMS	IDS	Lunch	
	Coffee-Break		CPM	FMSM
15:00 15:15	MPMS	IDS		
			15:15 17:00	Closing Ceremony
19:00	Welcome Dinner			67
	67	35	67	

*MPMS - Modern Problems of Materials Science; *IDS - Information and Diagnostic Systems;
 *CPM - Corrosion Protection of Materials; *FMSM - Fracture Mechanics and Strength of Materials.

WELCOME TO MSSE2025

Dear Participants,

We welcome you to the International Young Scientists Conference MSSE2025 in Lviv.

The permanent holding of our event indicates its high quality and impact. Over the years, interest in our Conference has only grown. This year, we received 74 submissions, which exceeds previous years. MSSE strives to provide a unique, effective platform for materials scientists and engineers to publish, present, network, and advance their careers. For it, we hold the Conference in a bilingual format, with Ukrainian and English as working languages. We hope this will make the content available to participants from different countries and open the Conference to a larger international audience in the future.

Despite the difficult times that Ukraine is going through, we continue to live, create and believe in a better future, which is evidence of the indomitability and strong spirit of Ukrainian scientists.

We want to thank all session chairs and program committee members for selecting speakers and reviewing conference abstracts, all speakers who accepted our invitation to give plenary session talks, and all sponsors who contributed to our Conference financially.

We hope participating in MSSE2025 will bring you helpful experiences and warm memories. Despite our tight schedule and the large number of conference presentations, we hope you will find time to explore the cultural capital of Ukraine, the city of Lviv. Enjoy your time at MSSE2025 with us!

Sincerely yours,
MSSE2025 Organizing Committee

ABOUT OUR INSTITUTE

Karpenko Physico-Mechanical Institute of the National Academy of Sciences of Ukraine was founded in Lviv in 1951. Today it is the largest academic institution in Western Ukraine. The Institute staff consists of about 337 people, including 2 Academicians and 6 Corresponding Members of NAS of Ukraine, more than 45 Doctors of Science, and 87 Doctors of Philosophy.

Over the years, the Institute has become a world-known research center and a leading academic institution in Ukraine in the areas of fracture mechanics and strength of materials, hydrogen materials science, physical and chemical processes during corrosion and protection of materials, non-destructive testing and technical diagnostics.

The theory of adsorption and hydrogen fatigue of steels and the theory of the boundary equilibrium of deformable bodies with crack-like defects are developed in the Institute. A new scientific branch – physical and chemical mechanics of materials – is also developed here, which includes theoretical foundations of fracture and durability of structural materials with cracks under the impact of stresses and/or aggressive environments. This method makes it possible to evaluate the workability and predict the destruction of structural elements. The mathematical theory of diffraction, the theory of signals, and the theory of electric circuits have been significantly improved in the Institute. New methods of extraction and processing of information, signal processing and the increase of noise immunity in technical diagnostics, geoscience and remote sensing are offered in the Institute.

The research results of the Institute are presented in about 350 monographs; among them there are fundamental works, such as "Fracture mechanics and strength of materials" (15 volumes) and "Technical diagnostics of materials and constructions" (8 volumes).

The scientific and technical achievements of the Institute were recognized with the State Prizes of the USSR in the field of science and technology (two times), the Awards of the Council of Ministers of the USSR (three times), the State Awards of Ukraine in the field of science and technology (10 times), Personal Awards of the National Academy of Sciences of Ukraine (19 times).

ABOUT LVIV

Lviv (also known as Lwów in Polish, Lemberg in German, Leopoldis in Latin) is the largest city in Western Ukraine and well-preserved historic center; it is a UNESCO World Heritage Site.

Named in honour of Leo, the eldest son of Daniel, King of Ruthenia, it was the capital of the Kingdom of Galicia-Volhynia from 1272 to 1349, when it was conquered by King Casimir III the Great who then became known as the King of Poland and Ruthenia. From 1434, it was the regional capital of the Ruthenian Voivodeship in the Kingdom of Poland. In 1772, after the First Partition of Poland, the city became the capital of the Habsburg Kingdom of Galicia and Lodomeria. In 1918, for a short time, it was the capital of the West Ukrainian People's Republic. In the interwar period, the city was the centre of the Lwów Voivodeship in the Second Polish Republic. After the German-Soviet invasion of Poland in 1939, Lviv became part of the Soviet Union; between 1944 and 1946 there was a population exchange between Poland and Soviet Ukraine. In 1991, it became part of independent Ukraine.

Lviv was the centre of the historical regions of Red Ruthenia and Galicia. The city has many industries and institutions of higher education such as Ivan Franko National University and Lviv Polytechnic. Lviv is also the home of many cultural institutions, including The Philharmonic Orchestra and the Lviv Theatre of Opera and Ballet.

Lviv has some achievements you probably did not know about:

Jesuit Garden in Lviv – was the first ever park in the country (built in the second half of XVI century). Today the place is called Ivan Franko Park.

Apostle – the first printed Ukrainian book by Ivan Fedorov was printed in Lviv in 1574. **The post office in European style** – the Italian Roberto Bandinelli opened Ukraine's first city post office in Lviv in 1629. **The first university in the country** – Lviv Jesuit Academy (now Ivan Franko National University) was founded in 1661 and thus became the first Ukrainian university. **The first Ukrainian brewery** – the first brewery in Ukraine was opened in Lviv in 1715.

Ukraine's first public theater – The first professional theater was opened in Lviv in 1776. **Kerosene lamp** – It was invented by a Polish inventor and pharmacist Ignacy Łukasiewicz in 1853. **Ukraine's first railway** – The length of the track was 97.6 km and it connected Przemyśl (south-east of modern Poland) and Lviv.

WEDNESDAY, SEPTEMBER 24, 2025

09⁰⁰-10⁰⁰

PARTICIPANT REGISTRATION

10⁰⁰-11⁰⁰

PLENARY SESSION

Chairs: Academician, Prof. Zinoviy Nazarchuk,
Dr. Bohdan Datsko

10⁰⁰-10¹⁵

OPENING CEREMONY

10¹⁵-10⁴⁰

HIGH TEMPERATURE ELECTROCHEMICAL SYSTEMS FOR
SUSTAINABLE ENERGY AND SYNTHETIC FUELS
PRODUCTION - GLOBAL POTENTIALS AND TECHNICAL
CHALLENGES

Aliaksandr Martsinchyk

Warsaw University of Technology, Poland

10⁴⁰-11⁰⁰

GROUP PHOTO/COFFEE-BREAK

11⁰⁰ - 12³⁰

MODERN PROBLEMS OF MATERIALS SCIENCE

Chair: Dr. Viktoriya Podhurska

MPMS-1

ELECTROCHEMICAL PROPERTIES OF Ba₂HoCu₃O₇

Mariia-Suzanna Teplinska, Oksana Zaremba, Pavlo

11⁰⁰-11¹⁵

Demchenko, Vasyl Kordan, Roman Gladyshevskii

Ivan Franko National University of Lviv, Ukraine

MPMS-2

**MECHANICAL PROPERTIES OF MAGNESIUM-BASED
ALLOYS FOR ORTHOPEDIC APPLICATIONS**

11¹⁵-11³⁰

Maksym Khokhlov, Oleksii Gornostai, Marianna Dyman

E. O. Paton Electric Welding Institute of NAS of Ukraine

MPMS-3

**UV-CURABLE POLYMER-DISPERSED LIQUID CRYSTAL
ELASTOMERS**

11³⁰-11⁴⁵

Yuliia Shyshkina¹, Andraž Rešetič²

1. Frantsevich Institute for Problems of Materials Science
of NAS of Ukraine

2. Institute "Jožef Stefan", Slovenia

MPMS-4

**IMPACT OF CHEMICAL COMPOSITION ON ELASTIC
MODULUS OF Ti-Zr-Nb ALLOYS**

11⁴⁵-12⁰⁰

Denys Oryshych, Oleksandr Stasiuk

G. V. Kurdyumov Institute for Metal Physics of NAS of Ukraine

MPMS-5 **EFFECT OF POWDER TYPE ON MICROSTRUCTURE AND MECHANICAL PROPERTIES OF BIOCOMPATIBLE Ti-Zr-Nb-Ta ALLOY**

12⁰⁰-12¹⁵

Oleksandr Stasiuk¹, Denys Oryshych¹, Serhii Taran²

1. G. V. Kurdyumov Institute for Metal Physics of NAS of Ukraine

2. Interregional academy of personal management, Ukraine

MPMS-6 **INFLUENCE OF YTTRIUM CONCENTRATION ON THE CRYSTAL LATTICE PARAMETERS OF SEALING COATINGS APPLIED BY FLAME SPRAYING METHOD**

12¹⁵-12³⁰

Yelyzaveta Fasel, Vadim Kubich

National University «Zaporizhzhia Polytechnic», Ukraine

12³⁰ – 13³⁰

LUNCH

13³⁰ – 15⁰⁰

MODERN PROBLEMS OF MATERIALS SCIENCE

Chair: Dr. Oleh Tkachuk

MPMS-7 **DEVELOPMENT OF TECHNOLOGICAL EQUIPMENT FOR LASER WELDING OF THIN-WALLED JOINTS FROM CORROSION-RESISTANT STEELS**

13³⁰-13⁴⁵

Yurii Yurchenko, Mykola Sokolovskyi

E.O. Paton Electric Welding Institute of NAS of Ukraine

MPMS-8 **MICROSTRUCTURE AND TRIBOLOGICAL PERFORMANCE OF REINFORCED TITANIUM MATRIX COMPOSITES**

13⁴⁵-14⁰⁰

Oksana Baranovska, Dmytro Baranovskyi

Frantsevich Institute for Problems of Material Science of NAS of Ukraine

MPMS-9 **INTERACTION OF EUROPIUM OXIDE WITH IRON OXIDE AT 1300°C**

14⁰⁰-14¹⁵

Olga Chudinovych, Dmytro Vedel, Serhii Korichev, Maryna Zamula

Frantsevich Institute for Problems in Materials Science of NAS of Ukraine

MPMS-10 **INFLUENCE OF HOT FORMING PARAMETERS ON THE STRUCTURE AND PROPERTIES OF THE ALLOY INCONEL 625**

14¹⁵-14³⁰

Stepan Kyryliuk, Oleksandr Tolochyn, Gennadii Bagliuk, Oleksandra Tolochyna, Yevheniia Kyryliuk

Frantsevich Institute for Problems in Materials Science of NAS of Ukraine

MPMS-11 **STRUCTURE AND MECHANICAL PROPERTIES OF HEAT-RESISTANT STEEL RESTORED AFTER LONG-TERM OPERATION IN A TPP STEAM PIPELINE**

14³⁰-14⁴⁵

Ivan Tsybailo¹, Halyna Krechkovska^{1,2}

1. Karpenko Physico-Mechanical Institute of NAS of Ukraine

2. Lviv Polytechnic National University, Ukraine

MPMS-12 **POTENTIAL CORROSION CHALLENGES IN THE
EXTRACTION OF HYDROGEN AND METHANE BY
PYROLYSIS OF CARBONACEOUS RAW MATERIALS**
Eduard Kliuiev, Ruslan Ahaiev, Vasyl Vlasenko,
Kateryna Dudlia
M.S. Poliakov Institute of Geotechnical Mechanics of NAS of Ukraine

15⁰⁰ – 15¹⁵

COFFEE-BREAK

15¹⁵ – 17⁰⁰

MODERN PROBLEMS OF MATERIALS SCIENCE

Chair: Dr. Sci. Halyna Krechkovska

MPMS-13 **TECHNOLOGY OF APPLYING Ni₃B – METAL-CERAMIC
TRACKS BY MULTILAYER SCREEN PRINTING METHOD**

15¹⁵-15³⁰

Taras Kovbasiuk, Anastasia Kyrysha, Zakhar Hladchenko

Lviv Polytechnic National University, Ukraine

MPMS-14 **USE OF EPOXY-MODIFIED FLUX SYSTEMS FOR
UNDERWATER SUBMERGED ARC WELDING**

15³⁰-15⁴⁵

Zhong Ziqiao

E. O. Paton Electric Welding Institute of NAS of Ukraine

MPMS-15 **SOFTENING OF MATERIAL DURING FRICTION STIR
WELDING OF ALUMINUM ALLOY 2219-T81**

15⁴⁵-16⁰⁰

Bohdan Tsaryk, Oleh Makhnenko

E. O. Paton Electric Welding Institute of NAS of Ukraine

MPMS-16 **THE INFLUENCE OF THE SHEAR COMPONENT OF
DEFORMATION ON THE MICROSTRUCTURE FORMATION
AND STRENGTH OF POWDER MATERIALS**

16⁰⁰-16¹⁵

Oleksandra Tolochyna^{1,2}, Stepan Kyryliuk¹, Marlene Kapp²,
Vitalii Danylenko¹, Oleksandr Tolochyn¹

1. Frantsevich Institute for Problems in Materials Science of NAS of Ukraine

2. Erich Schmid Institute of Materials Science, Austrian Academy of Sciences

MPMS-17 **DETERMINATION OF RATIONAL PARAMETERS OF LPBF
IN ORDER TO REDUCE POROSITY**

16¹⁵-16³⁰

Serhii Adzhamskyi^{1,2}, Ganna Kononenko^{1,3,4},

Rostyslav Podolskyi^{1,3,5}, Olena Safronova³, Serhii Baduk^{1,5}

1. LLC «Additive Laser Technology of Ukraine»

2. Institute of Transport Systems and Technologies of NAS of Ukraine

3. Iron and Steel Institute of Z.I. Nekrasov of NAS of Ukraine

4. Dnipro University of Technology, Ukraine

Institute of Applied Control Systems of NAS of Ukraine

- MPMS-18 **RECYCLING OF NICKEL ALLOY SCRAP AND WASTE USING THE ESR METHOD IN THE CONDITIONS OF LIMITED RESOURCES OF RAW MATERIALS TO PRESERVE THE CHEMICAL COMPOSITION AND PROPERTIES**
 16³⁰-16⁴⁵ **Yevhen Pedchenko, Yuriy Kostetsky, Ganna Polishko, Volodymyr Petrenko, Volodymyr Zaitsev**
 E.O. Paton Electric Welding Institute of NAS of Ukraine
- MPMS-19 **INVESTIGATION OF BRITTLE FRACTURE RESISTANCE OF PIPELINE STEEL CONSIDERING IN-SERVICE CONDITIONS AND NOTCH ORIENTATION**
 16⁴⁵-17⁰⁰ **Dmytro Demianchuk**
 Karpenko Physico-Mechanical Institute of NAS of Ukraine

19⁰⁰

WELCOME DINNER

11⁰⁰ - 12³⁰

INFORMATION AND DIAGNOSTIC SYSTEMS

Chair: Dr. Sci. Iryna Ivashenko

- IDS -1 **SPECTRAL DENSITY BIAS ESTIMATION FOR PERIODICALLY NON-STATIONARY RANDOM PROCESSES**
 11⁰⁰-11¹⁵ **Roman Khmil^{1,2}, Roman Yuzefovych^{1,2}**
 1. Karpenko Physico-mechanical Institute of NAS of Ukraine
 2. Lviv Polytechnic National University, Ukraine
- IDS -2 **DEVELOPMENT OF AN ARTIFICIAL NEURAL NETWORK TO PREDICT THE CORROSION RATE IN CARBON STEELS UNDER ATMOSPHERIC CONDITIONS**
 11¹⁵-11³⁰ **Michelle Nuñez Morales¹, Ildefonso Esteban Pech Pech¹, Gustavo Domínguez Rodríguez¹, Oscar de Jesús May Tzuc², Francisco Eduardo Corvo Perez¹**
 1. Universidad Autónoma de Campeche, Centro de Investigación en Corrosión, México
 2. Autónoma de Campeche, Facultad de Ingeniería, México
- IDS -3 **THEORETICAL ANALYSIS OF THE MEAN SQUARE ESTIMATOR ERRORS OF BASIC FREQUENCY**
 11³⁰-11⁴⁵ **Roman Sliepko¹, Oleh Lychak¹, Ihor Javorskyj^{1,2}**
 1. Karpenko Physico-mechanical Institute of NAS of Ukraine
 2. University of Science and Technology, Poland

- IDS -4 **CONTROL OF HYDROGEN CHARGING INTENSITY IN THE SUBSURFACE LAYERS OF STEEL PARTS BASED ON THE ANALYSIS OF WEAR PARTICLE IMAGES**
 11⁴⁵-12⁰⁰ **Anton Borkut¹, Valerii Kolesnikov^{1,2}, Yevhenii Marynchenko³, Olena Danylovych⁴**
 1. Luhansk Taras Shevchenko National University, Ukraine
 2. Karpenko Physico-Mechanical Institute of NAS of Ukraine
 3. Oleksandr Dovzhenko Hlukhiv National Pedagogical University, Ukraine
 4. Lviv Polytechnic National University, Ukraine
- IDS -5 **HILBERT TRANSFORM OF BIPERIODICALLY NON-STATIONARY RANDOM SIGNALS**
 12⁰⁰-12¹⁵ **Roman Pelypets¹, Roman Yuzefovych^{1,2}, Oleh Lychak¹**
 1. Lviv Polytechnic National University, Ukraine
 2. Karpenko Physico-Mechanical Institute of NAS of Ukraine
- IDS -6 **ACOUSTIC PLANE WAVE SCATTERING FROM A TRUNCATED SEMI-INFINITE SOFT CONE WITH AN INTERNAL SPHERICAL-CAP TERMINATION**
 12¹⁵-12³⁰ **Victor Lysechko**
 Karpenko Physico-Mechanical Institute of NAS of Ukraine

12³⁰ – 13³⁰

LUNCH

13³⁰ - 15⁰⁰

INFORMATION AND DIAGNOSTIC SYSTEMS

Chair: Dr. Sci. Iryna Ivaseenko

- IDS -7 **ESTIMATION OF THE BASIC FREQUENCIES OF THE DETERMINISTIC COMPONENTS AT GAS-TURBINE ENGINE VIBRATION SIGNAL**
 13³⁰-13⁴⁵ **Yevhen Sbrodov^{1,2}, Yuriy Torba^{1,2}, Roman Yuzefovych^{3,4}**
 1. National University "Zaporizhzhia Polytechnic", Ukraine
 2. Joint-Stock Company Zaporizhzhia Machine-Building Design Bureau "PROGRESS" named after Academician O. H. Ivchenko, Ukraine
 3. Karpenko Physico-mechanical Institute of NAS of Ukraine
 4. Lviv Polytechnic National University, Ukraine
- IDS -8 **VISUALIZATION OF HIDDEN CRACKS IN FERROMAGNETIC MATERIALS BY MAGNETOPTICAL METHOD**
 13⁴⁵-14⁰⁰ **Ihor Stasyshyn, Oleksandr Maksymenko**
 Karpenko Physico-Mechanical Institute of NAS of Ukraine
- IDS -9 **PROCESSING OF VIBRODIAGNOSTICS SIGNALS USING SPECIALIZED PORTABLE DEVICES**
 14⁰⁰-14¹⁵ **Roman Sharamaga¹, Oleh Lychak¹, Ihor Javorskyj^{1,2}**
 1. Karpenko Physico-mechanical Institute of NAS of Ukraine
 2. University of Science and Technology, Poland

- IDS -10 OPTIMIZATION OF DIRECTIONAL SOLIDIFICATION OF HEAT-RESISTANT ALLOYS FOR CRITICAL CASTINGS
 14¹⁵-14³⁰ **Volodymyr Noha, Kateryna Kvasnytska, Valentyn Veis**
 Physico-Technological Institute of Metals and Alloys of NAS of Ukraine
- IDS -11 STUDY OF THE CHARACTERISTICS OF A ROLLING BEARING WITH AN OUTER RING INSTALLATION DEFECT
 14³⁰-14⁴⁵ **Bohdan Komarnytskyi¹, Roman Yuzefovych^{1,2}, Oleh Lychak¹**
 1. Karpenko Physico-mechanical Institute of NAS of Ukraine
 2. Lviv Polytechnic National University, Ukraine
- IDS -12 ADAPTATION OF THE SHEAROGRAPHY METHOD FOR DETECTION OF MICRO-DEFECTS IN ALUMINIUM WELDED JOINTS AND THIN-WALLED COMPOSITES
 14⁴⁵-15⁰⁰ **Oleksii Shutkevych, Dmytro Stelmakh**
 E.O. Paton Electric Welding Institute of NAS of Ukraine

15⁰⁰ – 15¹⁵

COFFEE-BREAK

15¹⁵ – 16¹⁵

INFORMATION AND DIAGNOSTIC SYSTEMS

Chair: Dr. Sci. Iryna Ivasenko

- IDS -13 FUSION OF UAV PHOTOGRAMMETRY AND DEEP LEARNING FOR DIAGNOSTICS OF LARGE-SCALE STRUCTURES
 15¹⁵-15³⁰ **Dmytro Stelmakh, Oleksii Shutkevych, Oleksii Khramkov**
 E.O. Paton Electric Welding Institute of NAS of Ukraine
- IDS -14 DIRECT NEURAL NETWORK CALCULATION OF RESIDUAL STRESSES FROM WRAPPED SPECKLE INTERFEROMETRY PHASE PATTERNS
 15³⁰-15⁴⁵ **Oleksii Khramkov, Dmytro Stelmakh, Oleksii Shutkevych**
 E.O. Paton Electric Welding Institute of NAS of Ukraine
- IDS -15 MATHEMATICAL MODELING OF ELECTROCARDIOGRAPHIC SIGNALS USING TEMPORAL RHYTHM AND AMPLITUDE VARIABILITY FUNCTIONS
 15⁴⁵-16⁰⁰ **Lyubomyr Mosiy¹, Andriy Sverstiuk^{1,2}**
 1. Ternopil Ivan Puluj National Technical University, Ukraine
 2. I. Horbachevsky Ternopil National Medical University, Ukraine
- IDS -16 DEVELOPMENT OF APPROACHES TO THE INTEGRATION OF REGIONAL SPECIALIZED GIS AND REMOTE SENSING DATA
 16⁰⁰-16¹⁵ **Dariya Ivchenko, Olga Alokhhina**
 Karpenko Physico-Mechanical Institute of NAS of Ukraine

19⁰⁰

WELCOME DINNER

THURSDAY, SEPTEMBER 25, 2025

09 ⁰⁰ - 10 ⁰⁰	PARTICIPANT REGISTRATION
09 ³⁰ - 10 ⁰⁰	PLENARY SESSION Chairs: Dr. Sci. Sergiy Korniy Dr. Bohdan Datsko
MPMS-1 09 ³⁰ -10 ⁰⁰	ELECTROCHEMICAL BEHAVIOR AS AN INDICATOR OF FUNCTIONAL PERFORMANCE CONTROL IN BULK METALLIC GLASSES <u>Viktoriia Shtefan</u>^{1, 2}, <u>Nora Fernández Navas</u>¹, <u>Annett Gebert</u>¹ 1. Leibniz Institute for Solid State and Materials Research Dresden, Germany 2. National Technical University "Kharkiv Polytechnic Institute", Ukraine
10 ¹⁰ - 11 ¹⁵	CORROSION PROTECTION OF MATERIALS Chair: Dr.Sci. Sergiy Korniy
CPM-1 10 ⁰⁰ -10 ¹⁵	INFLUENCE OF OXIDATION ON THE STABILITY OF THE FORWARD VOLTAGE OF POWER DIODES IN DISK-TYPE DESIGN <u>Andrii Kryvovs</u>, <u>Kristina Snizhna</u>, <u>Tymofii Kryvovs</u>, <u>Gennadii Snizhnoi</u> National University "Zaporizhzhia Polytechnic", Ukraine
CPM-2 10 ¹⁵ -10 ³⁰	CORROSION RESISTANCE OF DYSPROSIUM COMPLEX OXIDE COMPOUND PELLETS IN A MODEL ENVIRONMENT OF VVER-1000 PRIMARY COOLANT <u>Ihor Chernov</u>¹, <u>Valeriy Zuyok</u>¹, <u>Ihor Kolodiy</u>², <u>Olena Bereznyak</u>², <u>Mykhaylo Tretyakov</u>¹, <u>Roman Rud</u>¹, <u>Mykola Pylypenko</u>² 1. "Nuclear Fuel Cycle" Science and Technology Establishment of the National Science Center "Kharkiv Institute of Physics and Technology", Ukraine 2. Institute of Solid State Physics, Materials Science and Technologies of the National Science Center "Kharkiv Institute of Physics and Technology, Ukraine
CPM-3 10 ³⁰ -10 ⁴⁵	SOLUTIONS OF DIFFERENT CORROSIVITY AT CATHODIC POLARISATION <u>Oleg Bratochkin</u>, <u>Lyudmila Nyrkova</u> E.O. Paton Electric Welding Institute of NAS of Ukraine

CPM-4
10⁴⁵-11⁰⁰ **THE ANTI-CORROSION PERFORMANCES OF THE ECO-FRIENDLY PIGMENTS BASED ON NATURAL MONTMORILLONITE LOADED WITH ZINC CATIONS AND/OR PHOSPHATE ANIONS**

Mariia-Olena Danyliak

Karpenko Physico-Mechanical Institute of NAS of Ukraine

CPM-5
11⁰⁰-11¹⁵ **RELATIONSHIP BETWEEN THE LIMIT POTENTIALS OF 06KHN28MDT ALLOY AND ITS CHARACTERISTICS IN A CHLORIDE-CONTAINING MEDIUM**

Anna Dzhus, Oleksii Narivskiy, Andriy Pashchenko, Dmytro Voskoboinikov

National University Zaporizhzhia Polytechnic, Ukraine

11¹⁵-11³⁰

COFFEE-BREAK

11³⁰-12⁴⁵

CORROSION PROTECTION OF MATERIALS

Chair: Dr. Sci. Oleksiy Narivskiy

CPM-6
11³⁰-11⁴⁵ **CORROSION INHIBITION OF CARBON STEEL IN A MILDLY ALKALINE ENVIRONMENT BY COMPOSITION OF BIOPOLYMER AND CARBOXYLATE**

Volodymyr Fedoriv

Karpenko Physico-Mechanical Institute of NAS of Ukraine

CPM-7
11⁴⁵-12⁰⁰ **FUNCTIONAL PROPERTIES OF NICKEL-BASED ELECTRODEPOSITED COATINGS FOR THE HYDROGEN EVOLUTION REACTION**

Svitlana Halaichak¹, Maxym Danylchuk¹, Veronika Zasadna²

1. Karpenko Physico-Mechanical Institute of the NAS of Ukraine

2. Ivan Franko National University of Lviv, Ukraine

CPM-8
12⁰⁰-12¹⁵ **STRESS-CORROSION CRACKING OF WELDED JOINT OF X70 STEEL WITH CONCENTRATOR IN WELD**

Yuriy Lisovskiy¹, Lyudmila Nyrkova¹, Pavlo Lisovyi², Vladislav Onishchenko²

1. E.O. Paton Electric Welding Institute of NAS of Ukraine

2. Scientific and technical complex «E.O. Paton Electric Welding institute» of NAS of Ukraine

CPM-9
12¹⁵-12³⁰ **MODIFICATION OF BLACK CHROMIUM COATINGS FOR IMPROVED CORROSION PROTECTION**

Anastasiia Shcholokova¹, Nadiia Kanunnikova¹, Viktoriiia Shtefan^{1,2}

1. National technical university 'Kharkiv polytechnic institute', Ukraine

2. Leibniz Institute for Solid State and Materials Research, Germany

CPM-10 **INHIBITION OF ALUMINIUM ALLOY CORROSION BY COMPOSITIONS BASED ON SODIUM ALGINATE AND ZINC SALTS IN CHLORIDE-CONTAINING MEDIUM**
12³⁰-12⁴⁵ **Nataliia Sobodosh**
Karpenko Physico-Mechanical Institute of NAS of Ukraine

12⁴⁵-14⁰⁰

LUNCH

14⁰⁰-15¹⁵

CORROSION PROTECTION OF MATERIALS

Chair: Dr. Sci. Vasyl Vynar

CPM-11 **MIMOSA TANNIN BIOMASS EXTRACT AS AN ENVIRONMENTALLY SAFE CORROSION INHIBITOR TO ENHANCE THE PROTECTIVE PROPERTIES OF RUST CONVERTER**
14⁰⁰-14¹⁵

Victoria Vorobyova

National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine

CPM-12 **EFFECT OF O₂ ON THE TRIBOCORROSION OF 17MN1SI STEEL IN H₂S ENVIRONMENT**

14¹⁵-14³⁰

Oleh Vasyliiv, Nadiia Ratska

Karpenko Physico-Mechanical Institute of NAS of Ukraine

CPM-13 **ENVIRONMENTALLY FRIENDLY ELECTRODEPOSITED Ni-Mo-B COATINGS FOR TRIBOCORROSION APPLICATIONS**

14³⁰-14⁴⁵

Maxym Danylchuk, Svitlana Halaichak

Karpenko Physico-Mechanical Institute of NAS of Ukraine

CPM-14 **ELECTROCHEMICAL DEGRADATION MECHANISMS IN MOLTEN CARBONATE FUEL CELLS AND STRATEGIES FOR CORROSION MITIGATION**
14⁴⁵-15⁰⁰

Karolina Majewska¹, Arkadiusz SzczesniaK¹, Olaf Dybinski¹, Alex Martynchuk¹, Pavel Shuhayeu¹, Viktoriya Podhurska², Oleksandr Kuprin³, Jaroslav Milewski¹

1. Warsaw University of Technology, Poland

2. Karpenko Physico-Mechanical Institute of NAS of Ukraine

3. National Science Center "Kharkiv Institute of Physics and Technology" of NAS of Ukraine

CPM-15 **COMPARISON OF METHODS FOR ANALYZING CORROSION-ACTIVE NON-METALLIC INCLUSIONS IN STEELS**
15⁰⁰-15¹⁵

Taras Hural¹, Bohdan Datsko¹, Taras Vynar²

1. Karpenko Physico-Mechanical Institute of NAS of Ukraine

2. Ivano-Frankivsk National Technical University of Oil and Gas, Ukraine

09³⁰-10⁰⁰

PLENARY SESSION
Chair: Dr. Sci. Olha Chepil

09³⁰-10⁰⁰

PLANE THERMOELASTICITY PROBLEMS OF CRYSTALLINE AND QUASICRYSTALLINE BODIES WITH CRACKS UNDER THE ACTION OF CONCENTRATED HEAT SOURCES

Yaroslav Pasternak

Lesya Ukrainka Volyn National University, Ukraine

10⁰⁰-11³⁰

FRACTURE MECHANICS AND STRENGTH OF MATERIALS

Chair: Dr. Sci. Olha Chepil

FMSM -1

HYDROGEN DIFFUSION AND TRAPPING IN MATERIALS: THE EFFECT OF TEMPERATURE AND PLASTIC STRAIN

10⁰⁰-10¹⁵

Nazar Hembara, Yaroslav Sapuzhak

Karpenko Physico-Mechanical Institute of NAS of Ukraine

FMSM -2

MODEL OF RESIDUAL LIFE OF A PLATE WITH A CRACK SYSTEM UNDER CORROSIVE ENVIRONMENT AND MANEUVER LOADING MODE

10¹⁵-10³⁰

Iryna Dolinska, Taras Skalsky

Karpenko Physico-Mechanical Institute of NAS of Ukraine

FMSM -3

EFFECT OF LONG-TERM OPERATION OF GAS PIPELINE ON STRESS-CORROSION CRACKING UNDER CATHODIC POLARIZATION

10³⁰-10⁴⁵

Yulia Kharchenko, Lyudmila Nyrkova

E.O. Paton Electric Welding Institute of NAS of Ukraine

FMSM -4

BENDING OF MULTI-CONNECTED PLATES WITH ELLIPTIC INCLUSIONS

10⁴⁵-11⁰⁰

Andrii Koshkin

Kharkiv National University of Radio Electronics, Ukraine

FMSM -5

ASSESSMENT OF BRITTLE FRACTURE STRENGTH OF WELDED CONTROL RODS IN THE WWER-1000 NUCLEAR REACTORS

11⁰⁰-11¹⁵

Oleksii Makhnenko, Oleksii Milenin

E.O. Paton Electric Welding Institute of NAS of Ukraine

FMSM-6

COMPARISON OF THE EFFECTIVENESS OF REINFORCING A PIPELINE SECTION WITH A WALL THINNING DEFECT BY A WELDED SLEEVE AND A PATCH PLATE

11¹⁵-11³⁰

Hryhorii Vorona, Oleh Makhnenko

E.O. Paton Electric Welding Institute of NAS of Ukraine

11³⁰-11⁴⁵

COFFEE-BREAK

11⁴⁵-13⁰⁰

FRACTURE MECHANICS AND STRENGTH OF MATERIALS

Chair: Dr. Sci. Olha Chepil

FMSM -7

ON CONSIDERATION OF TRANSMISSION CONDITIONS FOR A MULTILAYERED POROELASTIC RECTANGLE WITH A THIN INTERFACE

11⁴⁵-12⁰⁰

Zinaida Zhuravlova

Odesa I.I. Mechnikov National University, Ukraine

FMSM -8

LOW CYCLE FATIGUE BEHAVIOR OF DP980 STEEL GAS METAL ARC WELDING JOINTS

12⁰⁰-12¹⁵

Juliana Guadalupe Rosado-Carrasco^{1,2}, Walter Francisco Gonzalez-Zapatero¹, Ricardo R. Ambriz¹, David Jaramillo¹

1. Instituto Politécnico Nacional CIITEC-IPN, Cerrada de Cecati S/N Col. Sta. Catarina, Azcapotzalco, Ciudad de México

2. Instituto Politécnico Nacional ESIQIE-IPN, Av. Instituto Politécnico Nacional, Lindavista, Gustavo A. Madero, Ciudad de México

FMSM -9

INFLUENCE OF SiC QUALITY ON THE MECHANICAL PROPERTIES AND OXIDATION RESISTANCE OF ULTRA-HIGH TEMPERATURE COMPOSITES BASED ON HfB₂-Si OBTAINED BY HOT PRESSING

12¹⁵-12³⁰

Pavlo Barvitskyi¹, Tetiana Prikhna¹, Hakan Unsal², Anastasia Lokatkina¹, Sergiy Rychev¹, Victor Bilorusets¹

1. V. Bakul Institute for Superhard Materials of NAS of Ukraine

2. Institute of Inorganic Chemistry, Slovak Academy of Sciences

FMSM -10

IMPACT OF MATERIAL DEGRADATION ON THE RESIDUAL LIFE OF A COMPOSITE BIMETALLIC PLATE AT HIGH TEMPERATURE

12³⁰-12⁴⁵

Iryna Dolinska, Mykola Liubchak

Karpenko Physico-Mechanical Institute of NAS of Ukraine

FMSM -11

EFFECT OF PRE-STRAIN ON THE FRAGMENTATION OF HYDROGEN-CHARGED STEEL 45 UNDER EXPLOSIVE LOADING

12⁴⁵-13⁰⁰

Mykhailo Hrynenko, Yaroslav Ivanyskyi

Karpenko Physico-Mechanical Institute of NAS of Ukraine

13⁰⁰-14⁰⁰

LUNCH

14⁰⁰-15⁴⁵

FRACTURE MECHANICS AND STRENGTH OF MATERIALS

Chair: Dr. Sci. Olha Chepil

FMSM -12

THE EFFECT OF USING ENVIRONMENTALLY FRIENDLY FILLERS IN COMPOSITE MATRICES TO REDUCE FRICTION ON SURFACES

14⁰⁰-14¹⁵

Alvin Dio Nugroho, Juozas Padgurskas

Vytautas Magnus University Agriculture Academy, Lithuania

- FMSM -13 **STRESS CONCENTRATION IN AN ANISOTROPIC BODY CONTAINING A PERIODIC SYSTEM OF THIN ELASTIC INCLUSIONS**
14¹⁵-14³⁰ **Maksym Filipov**
Karpenko Physico-Mechanical Institute of NAS of Ukraine
- FMSM -14 **INFLUENCE OF HYDROGEN CONCENTRATION AND CRACK GEOMETRY ON THE RESIDUAL LIFETIME OF PIPELINE STEELS**
14³⁰-14⁴⁵ **Ivanna Soviak**^{1,2}
1. Karpenko Physico-Mechanical Institute of NAS of Ukraine
2. Lviv State University of Life Safety, Ukraine
- FMSM -15 **TORSION OF A TRANSVERSELY ISOTROPIC ELASTIC-PLASTIC SOLID WITH A HEALED DISC-SHAPED CRACK**
14⁴⁵-15⁰⁰ **Vitalii Melnyk**
Karpenko Physico-Mechanical Institute of NAS of Ukraine
- FMSM -16 **MODELING THE STRESS-STRAIN STATE OF A CYLINDRICAL SHELL UNDER EXPLOSIVE LOADING USING THE EXPLICIT DYNAMICS METHOD**
15⁰⁰-15¹⁵ **Ihor Oborniev**
Karpenko Physico-Mechanical Institute of NAS of Ukraine
- FMSM -17 **STRESS STATE OF ANISOTROPIC PLANE WITH CURVILINEAR ANISOTROPIC INCLUSION**
15¹⁵-15³⁰ **Andrii Chornenkyi**
Karpenko Physico-Mechanical Institute of NAS of Ukraine
- FMSM -18 **FREE TRANSVERSE VIBRATIONS OF A LOAD-BEARING ROPE WITH SPRING-COMPLIANT SUPPORTS AT DIFFERENT LEVELS**
15³⁰-15⁴⁵ **Taras Sliepko, Andrii Ganzjuk, Oleksandr Lytvynov**
Khmelnyskiy National University, Ukraine

FRIDAY, SEPTEMBER 26, 2025

09 ⁰⁰ -10 ⁰⁰	PARTICIPANT REGISTRATION
09 ³⁰ -10 ⁰⁰	PLENARY SESSION Chair: Dr. Oleh Tkachuk
09 ³⁰ -10 ⁰⁰	<p>“PHENOMENOLOGY AND KINETICS OF CORROSION INTERACTION OF F/M STEEL T91 WITH FLOWING (2.2 M/S) PB-BI EUTECTIC CONTAINING 7×10-7MASS% DISSOLVED OXYGEN AT 500 °C FOR 4405 H”</p> <p><u>Valentyn Tsisar</u> Belgian Nuclear Research Centre SCK•CEN, Belgium</p>
10 ⁰⁰ -11 ¹⁵	MODERN PROBLEMS OF MATERIALS SCIENCE Chair: Dr. Oleh Tkachuk
MPMS-20 10 ⁰⁰ -10 ¹⁵	<p>INFLUENCE OF SOLUTION LAYER THICKNESS ON THE MECHANISM OF STRESS CORROSION CRACKING OF LOW-ALLOY STEEL IN A SIMULATED SOIL SOLUTION</p> <p><u>Svetlana Osadchuk</u>, Lyudmila Nyrkova E.O. Paton Electric Welding Institute of the of NAS of Ukraine</p>
MPMS-21 10 ¹⁵ -10 ³⁰	<p>IMPROVING THE CHEMICAL COMPOSITION OF HIGH-STRENGTH SPECIAL-PURPOSE STEELS WITH THE FORMATION OF A BAINITE STRUCTURE</p> <p>Olexander Babachenko¹, Ganna Kononenko^{1,2}, Tetyana Kimstach^{1,3}, <u>Rostyslav Podolskyi</u>^{1,4}, Olena Safronova¹</p> <ol style="list-style-type: none"> 1. Iron and Steel Institute of Z.I. Nekrasov of NAS of Ukraine 2. Dnipro University of Technology, Ukraine 3. Ukrainian State University of Science and Technologies 4. Institute of Applied Control Systems of NAS of Ukraine
MPMS-22 10 ³⁰ -10 ⁴⁵	<p>INFLUENCE OF HYDRIDE PHASE ON HYDROGENATION ACTIVITY OF THE COBALT INERMETALLIC ALLOY</p> <p><u>Danulo Fatieiev</u>, Igor Bychko L. V. Pisarzhevskii Institute of Physical Chemistry of NAS of Ukraine</p>
MPMS-23 10 ⁴⁵ -11 ⁰⁰	<p>INFLUENCE OF NANOSTRUCTURED ADDITIVES (Fe,Co,Ni)_xO_y ON THE MECHANOCHEMICAL HYDROGENATION OF Mg</p> <p><u>Oleksandr Kononiuk</u>, Khrystyna Vlad Karpenko Physico-Mechanical Institute of NAS of Ukraine</p>

MPMS-24 **PLASMA TECHNOLOGIES FOR THE SYNTHESIS OF WEAR-RESISTANT MULTIFUNCTIONAL METAL MATRIX COMPOSITES OF THE Cu–Ti–TiC SYSTEM**
 11⁰⁰-11¹⁵ **Tatiana Makrukha**, Mykola Prystash
 Institute of Pulse Processes and Technologies of NAS of Ukraine

11¹⁵-11³⁰

COFFEE-BREAK

11³⁰-11³⁰

MODERN PROBLEMS OF MATERIALS SCIENCE

Chair: Dr. Oleh Tkachuk

MPMS-25 **PROPERTIES OF Fe-Mn-C-Al Steel, ALLOYED WITH Cr, Si AND Cu, AFTER ELECTROSLAG REMELTING**
 11³⁰-11⁴⁵ **Maksym Naumenko**¹, Yevhen Pedchenko¹, Yurii Kostetskyi¹, Olena Rokytska², Myroslav Karpets³, Dmytro Lukyanchuk²
 1. E.O. Paton Electric Welding Institute of NAS of Ukraine
 2. Frantsevich Institute for Problems of Materials Science of NAS of Ukraine
 3. National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine

MPMS-26 **INFLUENCE OF SLICING ON THE MORPHOLOGY AND STRUCTURE OF DEPOSITED COPPER**
 11⁴⁵-12⁰⁰ **Roman Babchuk**, **Dmytro Uschapovskyi**, **Georgii Vasyliiev**
 National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute

MPMS-27 **APPLICATION OF MICROCRYSTALLINE CELLULOSE/POLYANILINE COMPOSITE FOR REMOVAL OF FOOD DYE TARTRAZINE FROM AQUEOUS SOLUTIONS**
 12⁰⁰-12¹⁵ **Veronika Zasadna**¹, **Iryna Marchuk**^{1,2}, **Roksolyana Bukliv**³, **Yurii Kaniuk**²
 1. Ivan Franko National University of Lviv, Ukraine
 2. Karpenko Physico-Mechanical Institute of NAS of Ukraine
 3. Lviv Polytechnic National University, Ukraine

MPMS-28 **DEVELOPMENT AND INVESTIGATION OF WEAR-RESISTANT NITRIDE COATINGS ON VT6 TITANIUM ALLOY**
 12¹⁵-12³⁰ **Mariia Shved**¹, **Illya Klimenko**², **Vitaliy Belous**², **Valeriy Ovcharenko**², **Galyna Tolmachova**², **Viktoriya Podhurska**¹, **Mykhailo Ishchenko**³, **Ivan Babayev**³, **Oleksandr Kuprin**²
 1. Karpenko Physico-Mechanical Institute of NAS of Ukraine
 2. National Science Center Kharkiv Institute of Physics and Technology, Ukraine
 3. JSC "Ukrainian Energy Machines", Ukraine

MPMS-29 **PROTECTIVE COATINGS ON 316L STAINLESS STEEL FOR APPLICATION AS MOLTEN CARBONATE FUEL CELL CURRENT COLLECTORS**

12³⁰-12⁴⁵

Yuliia Tyshyk¹, Oleksandr Kuprin², Olena Reshetniak², Jaroslav Milewski³, Viktoriya Podhurska¹

1. Karpenko Physico-Mechanical Institute, Lviv, Ukraine
2. National Science Center Kharkiv Institute of Physics and Technology, Kharkiv, Ukraine
3. Warsaw University of Technology, Warsaw, Poland

MPMS-30 **MICROSTRUCTURE AND CORROSION RESISTANCE OF NITRIDED TITANIUM ALLOY FABRICATED BY SELECTIVE LASER MELTING**

12⁴⁵-13⁰⁰

Serhii Lavrys^{1,2}

1. Vytautas Magnus University, Lithuania
2. Karpenko Physico-Mechanical Institute of NAS of Ukraine

13⁰⁰-14⁰⁰

LUNCH

14⁰⁰-17¹⁵

MODERN PROBLEMS OF MATERIALS SCIENCE

Chair: **Dr. Viktoriya Podhurska**

MPMS -31 **ELECTROCHEMICAL PROPERTIES OF Ni-Fe RANEY-TYPE NANOPOWDERS OBTAINED VIA LEACHING**

14⁰⁰-14¹⁵

Khrystyna Vlad, Yurii Verbovytskyy, Ihor Zavaliy

Karpenko Physico-Mechanical Institute of NAS of Ukraine

MPMS -32

Ni-W ELECTROLYTIC COATINGS

Roman Luzhetskiy

15¹⁵-15³⁰

Karpenko Physico-Mechanical Institute of NAS of Ukraine

MPMS -33

STRUCTURAL AND ELECTROCHEMICAL HYDROGENATION CHARACTERISTICS OF Y-CONTAINING $RNi_{3-x}Mn_x$ ($R = Y$ AND LANTHANIDES; $x = 0...2$) ALLOYS

15³⁰-15⁴⁵

Volodymyr Oprysk, Yurii Verbovytskyy

Karpenko Physico-Mechanical Institute of NAS of Ukraine

MPMS -34

ANALYSIS OF THE STRUCTURAL AND MECHANICAL STATE OF HEAT-RESISTANT STEEL OPERATED IN STEAM TURBINE BLADES

15⁴⁵-16⁰⁰

Solovei Petro¹, Sofiia Krechkovska², Diana-Halyna Shabatura²

1. Karpenko Physico-Mechanical Institute of NAS of Ukraine
2. Lviv Polytechnic National University, Ukraine

- MPMS -35 **IMPACT OF GAS NITRIDING OF 3D-PRINTED Ti6Al4V ALLOY: MICROSTRUCTURAL EVOLUTION AND CORROSION CHARACTERISTICS**
 16⁰⁰-16¹⁵ **Khrystyna Shliakhetka^{1,2}, Martin Balog^{1,2}, Peter Krizik¹, Petra Krajnakova^{1,2}, Francisca M. Seabra^{1,2,3}, Yujie Zhao^{1,3}**
 1. Institute of Materials and Machine Mechanics of SAS, Slovakia
 2. Centre for Advanced Materials Application of SAS, Slovakia
 3. Slovak University of Technology
- MPMS -36 **COATINGS TO PREVENT ADHESIVE WEAR IN STEELS**
 16¹⁵-16³⁰ **Igor Valchuk, Mykhailo Hetman, Oleksiy Kovtun, Volodymyr Dytyniuk**
 Khmelnytskyi National University, Ukraine
- MPMS-37 **MICROSTRUCTURE AND GRANULOMETRIC CHARACTERISTICS OF HEAT-RESISTANT ALLOY POWDERS**
 16³⁰-16⁴⁵ **Ihor Lemishka¹, Taras Kovbasiuk¹, Andrii Andreiliv¹, Olha Halienkova², Oksana Melashchenko³**
 1. Lviv Polytechnic National University, Ukraine
 2. Department of the Chief Metallurgist, JSC «Ivchenko-Progress», Ukraine
 3. A. Pidgorny Institute of Power Machines and Systems of NAS of Ukraine
- MPMS-38 **APPLICATION OF Ca(Zn(OH)₃)₂·2H₂O (CZ) AND MgO NANOPARTICLES FOR CONSOLIDATION STONES**
 16⁴⁵-17⁰⁰ **Braulio Joel Canul Varguez¹, Javier Reyes Trujeque¹, Montserrat Soria Castro², Patricia Quintana Owen², Mayra Manrique Ortega¹**
 1. National Laboratory of Sciences for the Research and Conservation of Cultural Heritage - Corrosion Research Center (LANCIC-CICORR), Autonomous University of Campeche, Mexico
 2. Center for Research and Advanced Studies (Cinvestav), Mérida Unit, Mexico
- MPMS-39 **A BRIEF OVERVIEW OF THERMALLY ACTIVATED DELAYED FLUORESCENCE (TADF) LIGHT EMITTING ELECTROCHEMICAL CELLS (LEECs)**
 17⁰⁰-17¹⁵ **Marzieh Rabiei, Juozas Padgurskas, Raimundas Rukuiza**
 Vytautas Magnus University, Lithuania

17:30

CLOSING CEREMONY



NOTEBOOK

INTERNATIONAL YOUNG
SCIENTISTS CONFERENCE ON
**MATERIALS SCIENCE AND
SURFACE ENGINEERING**

Lviv | September 24-26, 2025