



The Minerals, Metals &amp; Materials Society

# 2024 Professional Membership Application

5700 Corporate Drive Suite 750 | Pittsburgh, PA 15237 USA | P: 1-724-776-9000 | F: 1-724-776-3770 | [www.tms.org](http://www.tms.org)

As a member of TMS, you'll receive access to:

- **Print mailing of JOM: The Magazine**, the monthly TMS membership magazine
- **Electronic Subscriptions to JOM, Integrating Materials and Manufacturing Innovation, Journal of Electronic Materials, Journal of Sustainable Metallurgy, and Metallurgical and Materials Transactions A and B.** Print subscriptions to the JOM publication of record (consisting of both the magazine and journal) will also be available for discounted purchase.
- **20 materials science and engineering journals** published by Springer, available online
- **TMS Career Center**, an enhanced online resource to post an anonymous resume, view jobs and create personal job alerts. TMS members receive priority placement of resumes.
- **TMS Membership Directory**, an online global network of materials professionals in 70 countries
- **Discounts** on select TMS conferences and professional development courses
- **Reduced member pricing** on TMS books and e-books purchased through Springer, as well as on all other English language books and e-books published by Springer
- **Additional Members-Only Resources**, accessible online through [members.tms.org](http://members.tms.org)

## Membership Requirements

### Professional Member

A candidate for **full membership** shall be a person of integrity in professional activities and actively involved with materials science, materials engineering and/or application. A candidate must hold a bachelor's degree from a recognized university in metallurgy, metallurgical engineering, materials science, materials engineering or another science or engineering discipline related to the field OR have at least five years experience and be a practicing professional in materials science and engineering or a closely related field. A candidate for **associate membership** shall be a person of integrity in professional activities and actively involved with materials science, materials engineering and/or application. While not possessing the academic or technical experience of a professional member, associate members must be active in fields related to the advancement of materials science and engineering and its affiliated industries.

- One-Year Membership      \$130 USD
- Three-Year Membership    \$340 USD
- Five-Year Membership      \$540 USD

### Life Member

A candidate for life membership is a professional member who wishes to make a one-time payment of dues to TMS.

- One-Time Dues:              \$1,950 USD

### Reinstatement

Members who may have allowed their dues to lapse may be reinstated into the same membership grade as when they left by submitting a new application and paying the current dues. If the applicant wishes to have the original year of joining TMS reflected, back dues must be paid to date (half the annual dues for each year of lapsed membership); otherwise, the membership year will be the year of reinstatement.

### Application Process

The TMS membership year begins January 1 and ends December 31. Applications received between January 1 and June 30 will be processed for the current calendar year. Applications received after June 30 will be processed for the remainder of the current calendar year and the entire following year. Two weeks are required for processing of complete applications submitted with payment. Incomplete applications cannot be processed.

#### PLEASE TYPE OR PRINT.

Mr.  Mrs.  Ms.  
 Dr.  Professor

BIRTH DATE:  
\_\_\_\_/\_\_\_\_/\_\_\_\_

SEND MAIL TO:  
 Business Address  
 Home Address

MOBILE TEXT ALERTS  
Receive occasional  
text alerts?  Yes  No

NAME: \_\_\_\_\_  
LAST FIRST MIDDLE INITIAL

TITLE: \_\_\_\_\_ COMPANY OR ORGANIZATION: \_\_\_\_\_

BUSINESS: \_\_\_\_\_  
STREET OR P. O. BOX CITY STATE ZIP/POSTAL CODE COUNTRY

PHONE FAX TOLL-FREE # E-MAIL WEB ADDRESS

HOME: \_\_\_\_\_  
STREET OR P. O. BOX CITY STATE ZIP/POSTAL CODE COUNTRY

PHONE MOBILE E-MAIL

**TECHNICAL DIVISION SELECTION:**

Selecting a division helps you receive communications that are more relevant to your technical interests.

Please select one.

- Extraction & Processing Division
- Functional Materials Division
- Light Metals Division
- Materials Processing & Manufacturing Division
- Structural Materials Division

Through what means were you encouraged to join TMS?

- TMS Annual Meeting & Exhibition
- MS&T
- Specialty Conference
- Exhibitor
- TMS Staffed Booth
- JOM
- Other TMS Journals
- TMS Mailed Brochure
- Non-TMS Advertisement
- Continuing Education
- TMS Web Site
- Colleague
- Other \_\_\_\_\_

*TMS does not discriminate on the basis of ethnicity, or gender identity or expression. In order to track the effectiveness of our efforts to promote an inclusive environment, we ask you to please consider answering the following optional questions.*

What is your gender?

- Female
- Male
- Prefer not to answer
- Prefer to self-describe (please specify)

\_\_\_\_\_

**AREAS OF TECHNICAL INTEREST—SELECT UP TO 5 THAT APPLY.**

- |   |   |  |  |
|---|---|--|--|
| <input type="checkbox"/> 3D Materials Science     | <input type="checkbox"/> Electronic Materials                           | <input type="checkbox"/> Lead Zinc and Tin       | <input type="checkbox"/> Precious Metals                   |
| <input type="checkbox"/> Additive Manufacturing   | <input type="checkbox"/> Energy Generation and Transmission             | <input type="checkbox"/> Lightweighting          | <input type="checkbox"/> Processing                        |
| <input type="checkbox"/> Aluminum                 | <input type="checkbox"/> Energy Storage                                 | <input type="checkbox"/> Magnesium               | <input type="checkbox"/> Pyrometallurgy                    |
| <input type="checkbox"/> Aqueous Processing       | <input type="checkbox"/> Extraction                                     | <input type="checkbox"/> Manufacturing           | <input type="checkbox"/> Recycling                         |
| <input type="checkbox"/> Biomaterials             | <input type="checkbox"/> Functional Materials                           | <input type="checkbox"/> Mechanical Behavior     | <input type="checkbox"/> Renewable Energy                  |
| <input type="checkbox"/> Ceramics                 | <input type="checkbox"/> High-Temperature Materials                     | <input type="checkbox"/> Minerals                | <input type="checkbox"/> Shaping and Forming               |
| <input type="checkbox"/> Characterization         | <input type="checkbox"/> Integrated Computational Materials Engineering | <input type="checkbox"/> Modeling and Simulation | <input type="checkbox"/> Solidification                    |
| <input type="checkbox"/> Composites               | <input type="checkbox"/> Intermetallics                                 | <input type="checkbox"/> Nanotechnology          | <input type="checkbox"/> Surface Modification and Coatings |
| <input type="checkbox"/> Copper Nickel and Cobalt | <input type="checkbox"/> Iron and Steel                                 | <input type="checkbox"/> Nuclear Materials       | <input type="checkbox"/> Sustainability                    |
| <input type="checkbox"/> Corrosion                | <input type="checkbox"/> Joining  | <input type="checkbox"/> Oil and Gas             | <input type="checkbox"/> Thermodynamics                    |
| <input type="checkbox"/> Critical Materials       |   | <input type="checkbox"/> Polymers                | <input type="checkbox"/> Titanium                          |
| <input type="checkbox"/> Electrometallurgy        |   | <input type="checkbox"/> Powder Technology       |  |

**WHICH OF THE FOLLOWING BEST DESCRIBES YOUR SECTOR OF EMPLOYMENT? (Check one.)**

- Consulting     University/Education     Industry     Government/Nonprofit
- Retired     Unemployed     Other

**EDUCATION TO DATE:**

| Name of School                 | Dates Attended<br>Month/Year–<br>Month/Year | Major/Subject<br>Engineering Field | Degree Received or<br>Expected Graduation<br>Date: Month/Year |
|--------------------------------|---|------------------------------------|---|
| <input type="checkbox"/> B.S.  |   |                                    |   |
| <input type="checkbox"/> M.S.  |   |                                    |   |
| <input type="checkbox"/> Ph.D. |   |                                    |   |

REGISTERED PROFESSIONAL ENGINEER?  Yes  No YEAR OF REGISTRATION: \_\_\_\_\_

RECORD OF EXPERIENCE: Please include your last five years of professional experience in lieu of a baccalaureate degree in metallurgy, metallurgical engineering, materials science or engineering, or another related discipline.

**As a member of TMS, you also qualify for substantial discounts on the following resources.**


- Purchase membership in the Institute of Materials, Minerals and Mining (IOM<sup>3</sup>) at a discounted rate
  - One-Year Membership - \$45
- Purchase membership in The Brazilian Metallurgical, Materials and Mining Association (ABM) at a discounted rate
  - One-Year Membership - \$92
- Subscribe to OneMine, the online global mining and minerals library
  - One-Year Subscription - \$50
- Subscribe to the Light Metals Digital Library
  - One-Year Subscription - \$50
- Purchase an annual print subscription to the complete JOM publication - (12 issues consisting of both the magazine and journal).
  - One-Year Subscription - \$120

**COMMUNICATIONS PREFERENCES - Residents of Brazil, Canada, China, or the European Union**

- Yes, I agree to receive e-mails from TMS. You can further customize your communications preferences by editing your online TMS profile at members.tms.org.

*By becoming a TMS member, I agree to be included in the TMS membership directory, a networking resource available exclusively to TMS members. Organizations and individuals outside of TMS will not have access to this directory. I agree not to share information found in the directory with non-members or use the list for promotional or commercial reasons. I also accept the terms of the **TMS Privacy Policy**, and agree to abide by TMS policies, including the **TMS Meetings Code of Conduct** and the **TMS Anti-Harassment Policy** available on the TMS website.*

*I attest to the truthfulness and completeness of the information provided in this application and give TMS express permission to verify any of the information provided. If any of the information provided should prove to be false or misleading, TMS reserves the right to take disciplinary action, up to and including termination of membership.*

Signature \_\_\_\_\_  \_\_\_\_\_ Date \_\_\_\_\_

GRAND TOTAL \$ \_\_\_\_\_

(Checks should be made payable to The Minerals, Metals & Materials Society in U.S. dollars drawn on a U.S. bank.)

- Check Enclosed Bill my credit card: (Check one.)  American Express  VISA  MasterCard  Discover

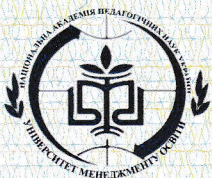
Credit Card # \_\_\_\_\_ Expiration Date \_\_\_\_\_

Cardholder's Name \_\_\_\_\_ CVV \_\_\_\_\_

Signature \_\_\_\_\_



# СВІДОЦТВО



ЦЕНТРАЛЬНИЙ  
ІНСТИТУТ  
ПІСЛЯДИПЛОМНОЇ  
ОСВІТИ

НАЦІОНАЛЬНА АКАДЕМІЯ ПЕДАГОГІЧНИХ НАУК УКРАЇНИ  
ДЗВО «УНІВЕРСИТЕТ МЕНЕДЖМЕНТУ ОСВІТИ»  
ЦЕНТРАЛЬНИЙ ІНСТИТУТ ПІСЛЯДИПЛОМНОЇ ОСВІТИ

ЛІЦЕНЗІЯ МОН УКРАЇНИ: НАКАЗ ВІД 15.11.2016 №1492-л  
«Про переоформлення ліцензій»

## СВІДОЦТВО

про підвищення кваліфікації

СП 35830447/Д 0311-21

Пашинський

(прізвище, ім'я, по батькові)

Володимир Вікторович

з « 24 » травня 20 21 р.

по « 24 » червня 20 21 р.

підвищував(ла) кваліфікацію за:

освітньо-професійною програмою підвищення  
кваліфікації (назва програми)

Педагогічні, науково-педагогічні працівники та  
керівники закладів освіти (категорія)

Відкрита освіта та технології дистанційного навчання

(тема, напрям)

Загальна кількість годин /  
кредитів ЄКТС за навчальним планом 150 год / 5 кр.

| Назва модуля (курсу)                  | Навчальний час/ кредити ЄКТС |
|---------------------------------------|------------------------------|
| Освітологічний та нормативно-правовий | 30/1                         |
| Менеджмент і лідерство                | 30/1                         |
| Посадово-функціональний               | 30/1                         |
| Соціально-психологічний               | 30/1                         |
| Інформаційно-комунікаційний           | 30/1                         |
|                                       |                              |
|                                       |                              |
|                                       |                              |
|                                       |                              |
|                                       |                              |

Результати навчання:

Набув(ла) управлінську, психолого-педагогічну, посадово-функціональну, інформаційно-комунікаційну компетентності та захистив(ла) випускну роботу на тему: «Дистанційне навчання в сучасному освітньому процесі»



Регістраційний № 03118/2124



Mar 1, 2021

**Volodymyr Pashynskyi**

has successfully completed

**Introduction to Artificial Intelligence (AI)**

an online non-credit course authorized by IBM and offered through Coursera

Rav Ahuja  
Global Program Director,  
Skills Network

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/QLFJ3HDUMAEF](https://coursera.org/verify/QLFJ3HDUMAEF)  
Coursera has confirmed the identity of this individual and their  
participation in the course.

# СЕРТИФІКАТ

про підвищення кваліфікації  
№00МД7019

виданий

Пашинський Володимир

**«Створення та адміністрування курсу в системі управління навчанням MOODLE»**

31.01.2023,  
3 кредити (90 годин)

ТОВ "ТЕХНОМАТИКА"

*Директор*



Маркін Роман Олегович





# SERTIFICATE OF TRAINING

This is to certificate that:  
**Pashynskiy Volodymyr**

has completed the training course on sustainable steel production,  
has successfully passed the test on course

Training was completed on  
February 11, 2022

«TECHNICAL UNIVERSITY «METINVEST POLYTECHNIC», **Rector Prof. Dr O. Povazhnyi**

K1-MET GmbH, Area Manager Raw Materials and Recycling & Metallurgical Processes, **J. Rieger**

K1-MET GmbH, Montanuniversitaet Leoben, Chair of Ferrous Metallurgy **Prof. Dr J. Schenk**

Two handwritten signatures in blue ink. The top signature is "J. Rieger" and the bottom signature is "J. Schenk".

| Course   | Course Type        | Duration | Short description  |
|--|--------------------|----------|--|
| Residues from metallurgical processes                              | Lecture            | 1.5 h    | Types and characterisation of by-products (dust, sludges and slags) and scrap  |
| Metal recycling  | Lecture            | 1.5 h    | Processing and cleaning of scrap, dust, and slags  |
|  |                    |          | Recycling processes to recover ferrous and nonferrous metals (e.g., zinc)  |
|  |                    |          | Definition and discussion of product qualities and markets   |
| Seminar circular economy in metallurgy                             | Seminar / workshop | 3.0 h    | In the seminar, the contents of the lecture are applied to practical problems and questions of MIP. The seminar topic will be defined together with MIP in advance |
| Plant and process safety   | Lecture            | 1.5 h    | Legal foundations  |
|  |                    |          | Definition of risk and risk assessment   |
|  |                    |          | Basics of fire and explosion prevention  |
|  |                    |          | Methods for hazard analysis (e.g., HAZOP), safety instrumented systems (SIS)   |
| Occupational safety issues in residue's processing operation       | Lecture            | 1.5 h    | Industrial processing and plant engineering  |
|  |                    |          | Mass and energy conversion   |
|  |                    |          | Heat-transfer in high-temperature processes  |
|  |                    |          | Regulation control   |
| Seminar occupational safety during residue processing              | Seminar / workshop | 3.0 h    | Seminar topic will be defined together with MIP in advance   |
| Process pathways to low CO <sub>2</sub> steelmaking                | Lecture            | 1.5 h    | Reduce CO <sub>2</sub> emission of existing iron and steelmaking sites   |
|  |                    |          | Production of steel without greenhouse gas (CO <sub>2</sub> ) emission   |
| Use of hydrogen in the steel industry                              | Lecture            | 1.5 h    | Use of H <sub>2</sub> in current process routes for steelmaking  |
|  |                    |          | H <sub>2</sub> -based direct reduction processes   |
|  |                    |          | Smelting reduction with H <sub>2</sub> plasma  |
|  |                    |          | Transformation of the steel industry from C-Based to H-based processes   |
| Seminar Carbon Direct Avoidance for low carbon steelmaking         | Seminar / workshop | 3.0 h    | Seminar topic will be defined together with MIP in advance   |
| Carbon Capture and Utilization technologies for smart carbon usage | Lecture            | 1.5 h    | Capturing and utilising of CO/CO <sub>2</sub> from process industries with one focus on the steel sector   |
| CO <sub>2</sub> as raw material for sector coupling                | Lecture            | 1.5 h    | Examples of interconnecting industrial processes to reduce CO <sub>2</sub> emissions and store renewable energy  |
|  |                    |          | Circular economy solutions by having one industrial sector using CO <sub>2</sub> from another sector   |
| Seminar Smart Carbon Usage (Carbon valorisation)                   | Seminar / workshop | 3.0 h    | Seminar topic will be defined together with MIP in advance.  |



ISO 29993:2017

# СЕРТИФІКАТ

*Пашинський Володимир Вікторович*

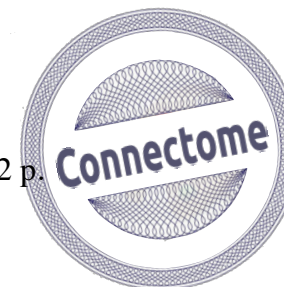
успішно пройшов/пройшла програму тренінгу

# РОЗВИТОК ТРЕНЕРСЬКИХ КОМПЕТЕНЦІЙ

Матеріал тренінгу створено відповідно до вимог міжнародної сертифікації якості ISO 29993:2017  
(Learning services outside formal education)

Тренер Ольга Прокопенко

22 грудня 2022 р.



№05220030

Cranfield Foundry DOOEL Skopje,  
14, Partizanski Odredi Blvd, 1000 Skopje North Macedonia  
08/08/2023

To whom so ever, it may concern,

This document is to certify that Volodymyr Pashynskyi has completed his internship in Quality management and improvement of parameters of metal products at Cranfield Foundry DOOEL Skopje, from May 01, 2023 to July 31, 2023.

He has worked on the project titled “Development of quality management system for production of ductile iron cast parts with improved parameters”. The aim of this project was to decrease the level of nonconforming products and improving of their microstructure and mechanical properties.

This project includes following sections

1. Analysis of demands of standards and specification for ductile iron production
2. Studying of productive technologies of melting and casting of ductile iron products
3. Evaluation of methods and techniques for productive process parameters control and monitoring
4. Collection of production information and data and their analysis to determine their optimal values
5. Development of recommendation for technology improvement
6. Development of standards and procedures for products quality stabilization

As a part of the project, he has carried out the responsibilities of Metal quality expert

During the internship, Mr. Volodymyr Pashynskyi demonstrated a keen interest and enthusiasm to learn new skills. His performance exceeded our expectations, and his dedication to their role and responsibilities was commendable. All of the tasks were completed on time and to the best of his abilities.

We wish him all the best for his career.

Cranfield Foundry DOOEL Skopje

General Manager

Vladimir Tonevski





# СЕРТИФІКАТ

СС 38282994/3051-24

підтверджує, що

## Володимир Пашинський

з 20 березня по 20 червня 2024 року пройшов навчання за програмою підвищення кваліфікації науково-педагогічних, педагогічних працівників з питань впровадження дуальної форми здобуття освіти у закладах вищої та фахової передвищої освіти та виконав практичні завдання курсу

Тривалість навчання – 60 годин (2 кредити ЄКТС)

### Досягнуті результати:

- застосовувати вимоги законодавства у сфері дуальної освіти, вміти інтегрувати їх у контекст організації освітнього процесу за ДФЗО;
- оцінювати передумови впровадження ДФЗО та розраховувати рентабельність освітньої/освітньо-професійної програми;
- уміти застосовувати інноваційні форми проведення занять відповідно до освітньої/освітньо-професійної програми;
- уміти застосовувати практичні навички комунікації зі здобувачем освіти, роботодавцем;
- опановувати практичні техніки та способи управління конфліктними ситуаціями, їх профілактики та конструктивного виходу з конфлікту.



Директор



Тетяна ІЩЕНКО



DANIELI ACADEMY

DANIELI

CERTIFICATE AWARDED TO

# VOLODYMYR PASHYNSKYI

For his participation in the training program at Danieli & C. Officine Meccaniche S.p.A., which included theoretical modules and practical training at leading European metallurgical enterprises.

The program focused on the following key areas:

- Direct Reduced Iron (DRI) production, Primary Steelmaking (Electric Arc Furnace), Secondary Metallurgy, Continuous Casting, Cold and Hot Rolling Technologies.
- Green Steel Innovations, including Low-Carbon Process Solutions, Environmental Protection Technologies.

Program Duration: from 03/06/2025 to 27/06/2025  
Total Workload: 180 Academic hours



HR - EVP  
Paola Perabò