



University of Miskolc,  
Hungary



**MultiScience - XXXVII. microCAD  
International Multidisciplinary  
Scientific Conference  
30-31. May 2024**

**PROGRAMME**

## ORGANIZING COMMITTEE OF THE CONFERENCE

---

<b>Chairman:</b>	<b>Péter SZÚCS</b>	Vice-Rector for General and Scientific Affairs
<b>Members:</b>	<b>Péter Norbert SZABÓ</b>	Vice-Dean of the Faculty of Earth and Environmental Science and Engineering
	<b>Tamás KÉKESI</b>	Full professor, Faculty of Materials and Chemical Engineering
	<b>Gabriella Bognár VADÁSZNÉ</b>	Vice-Dean of the Faculty of Mechanical Engineering and Informatics
	<b>Zoltán VARGA</b>	Vice-Dean of the Faculty of Law
	<b>Zoltán MUSINSZKI</b>	Vice-Dean of the Faculty of Economics
	<b>Renáta KRISTON</b>	Vice-Dean of the Faculty of Humanities and Social Sciences
	<b>Andrea LUKÁCS</b>	Vice-Dean of the Faculty of Health Sciences

The organiser of the Conference is the **UNIVERSITY OF MISKOLC**

**Address of the Organizing Committee:**  
*University of Miskolc, Directorate for Scientific  
Affairs and International Relations  
H-3515 Miskolc-Egyetemváros  
Phone: (+36-46) 565-111/ 10-16  
e-mail: [microcad@uni-miskolc.hu](mailto:microcad@uni-miskolc.hu)  
<http://multiscience.uni-miskolc.hu>*

## DETAILED PROGRAMME

of the MultiScience – XXXVII. microCAD International Multidisciplinary Scientific  
Conference

University of Miskolc, 30-31 May, 2024

### 30 May (Thursday) 2024

#### PLENARY SESSION

**VENUE:** Lecture Hall XVIII., Bld. A/6. ground floor

- 10<sup>00</sup> – 10<sup>05</sup>      **Opening address and remarks**  
*Prof. Dr. Péter SZÚCS Vice-Rector of the University of Miskolc*
- 10<sup>05</sup> – 10<sup>35</sup>      *Clara Mendoza Martinez Post-doctoral researcher, Lappeenranta University of  
Technology, Finland*  
**Waste valorization for the production of chemicals, materials and fuels: Case study  
pulp mills**
- 10<sup>35</sup> – 11<sup>00</sup>      **Questions**
- 11<sup>00</sup> – 11<sup>30</sup>      *Dr. Gábor Németh Full professor, University of Miskolc, Faculty of Health Sciences*  
**Theoretical and practical applications of artificial intelligence in ophthalmology**
- 11<sup>30</sup> – 11<sup>55</sup>      **Questions**
- 12<sup>00</sup> – 13<sup>00</sup>      **Reception**  
**Venue:** In front of Senate Hall
- 13<sup>30</sup> – 18<sup>00</sup>      **Presentations in the parallel sessions**  
**Venue:** as listed in the section table

### 31 May (Friday) 2024

- 13<sup>30</sup> - 17<sup>00</sup>      **Presentations in session**

## SESSIONS AND VENUES OF THE CONFERENCE

---

Sign	Name	Venue	
<b>Plenary</b>	Plenary session	Lecture Hall XVIII.	Bld. A/6. ground floor
<b>A</b>	Innovative Solutions for Raw Materials Exploration, Mining and Energy Management	Csókás Lecture Room	Bld. A/2. second floor 213.
<b>B</b>	Development and application of novel technical materials	Room 312.	Bld. B/1. third floor
<b>C</b>	Modern materials science and engineering	Lecture Hall VI.	Bld. A/1. first floor
<b>D</b>	Modern materials science and engineering	Room 115.	Bld. A/3. first floor
<b>E</b>	Modern materials science and engineering	Room 44.	Bld. A/4. ground floor
<b>F</b>	Modern materials science and engineering	Room 1.	Bld. C/1. ground floor
<b>G</b>	Law	Room Eperjes	Bld. A/6. ground floor 31.
<b>H</b>	Law	Library of the Institute of Civil Sciences	Bld. A/6. 117/A.
<b>I</b>	Sustainability and economy	Room 218.	Bld. A/4. second floor
<b>J</b>	Social sciences and humanities	Room 306.	Bld. C/1. third floor
<b>K</b>	Health Sciences	Room 207.	Bld. STEFÁNIA

## REGISTRATION FOR THE CONFERENCE

---

**Venue:** The Registration Desk is on the entrance of the Lecture Hall XVIII.

**Registration is open:**

<b>30 May 2024</b>	9 <sup>00</sup> – 10 <sup>00</sup>
--------------------	------------------------------------

## **A: Innovative Solutions for Raw Materials Exploration, Mining and Energy Management**

---

**VENUE:** *Csókás Lecture Room, Bld. A/2. 2nd floor, 213.*

**Chairman:** *Prof. Dr. Norbert Péter Szabó full professor*

**Secretary:** *Dr. Andrea Kolencsik Tóth assoc. professor*

**Date:** **30 May, 2024**

- 13.30 Csaba Ilyés<sup>1</sup>, Rita Miklós<sup>2</sup>, László Lénárt<sup>3</sup> Szücs Péter<sup>4</sup> *University of Miskolc, Hungary*  
***First results of wavelet analysis of Bükk-Mountains' karst water levels***
- 13.45 Mohammed Sarkhel<sup>1</sup>, Csaba Ilyés<sup>2</sup>, Péter Szücs<sup>3</sup> *University of Miskolc, Hungary*  
***A combined wavelet coherent and trend analysis approaches to assess rainfall variations in Northern Iraq***
- 14.00 Trabelsi Sirine<sup>1</sup>, Tamás Kántor<sup>2</sup>, Andrea Kolencsik Tóth<sup>3</sup> *University of Miskolc, Hungary*  
***On the evolution of the soil improvement methods***
- 14.15 Gábor Nyiri<sup>1</sup>, Balázs Zákányi<sup>2</sup>, Péter Szücs<sup>3</sup> *University of Miskolc, Hungary*  
***Transit time determination in riverbank filtration system***
- 14.30 Csilla Balassa<sup>1</sup>, Csilla Pataky<sup>2</sup>, Krisztián Antal<sup>3</sup> *University of Miskolc, Hungary*  
***Trace elements in Hungarian coal formations***
- 14.45 Almalichy Abdulameer Mohsin Kadhim<sup>1</sup>, Zoltán Turzó<sup>2</sup> *University of Miskolc, Hungary*  
***Assessing petrophysical changes during carbonic acid matrix acidizing***
- 15.00 Coffee break
- 15.15 Katalin Tomkó Nyiri<sup>1</sup> *University of Miskolc, Hungary*  
***The physical and chemical characteristics of hydrogen-natural gas mixtures from 0% to 100% hydrogen content***
- 15.30 Asghede Kabral Mogos<sup>1</sup>, János Vágó<sup>2</sup> *University of Miskolc, Hungary*  
***Groundwater potential mapping using AHP method in Debarwa catchment area, Eritrea***
- 15.45 Menghis Tsegay Bereket<sup>1</sup>, Endre Dobos<sup>2</sup> *University of Miskolc, Hungary*  
***Soil erosion risk assessment using remote sensing, GIS, and RUSLE model: A case study of the Mai-Nefhi Watershed, Barka River Basin, Eritrea***
- 16.00 Marcell Kárpí<sup>1</sup>, Mátyás Krisztián Baracza<sup>2</sup>, Sándor Szalai<sup>3</sup> *University of Miskolc, Hungary<sup>1,2</sup>, HUN-REN Institute of Earth Physics and Space Science, Hungary+*  
***Monitoring the weather dependent sensitivity of ERT quasi-null arrays above 2D artificial structures***
- 16.15 Ernesto Edoson Manuel<sup>1</sup>, Mihály Dobróka<sup>2</sup> *University of Miskolc, Hungary<sup>2</sup>*  
***The hysteresis of stress-dependent acoustic velocity treated by rock physical and Preisach model – A preliminary study***
- 16.30 Moataz Mohamed Gomaa Abdelrahman<sup>1</sup>, Hassan Hadeer Ahmed Ali<sup>2</sup>, Mihály Dobróka<sup>3</sup> *University of Miskolc, Hungary*  
***On the stress-dependent permeability in the presence of water content – a preliminary study***

## **B Section: Development and application of novel technical materials**

---

**VENUE:** *Room 312., Bld. B/1. third floor*  
**Chairman:** *Prof. Dr. Tamás Kékesi full professor*

**Date:** **30 May, 2024**

- 13.30 Éva Nagy-Kócsák<sup>1</sup>, *University of Miskolc, Hungary*  
*Effect of changes in crystallization parameters on the structure of the eutectic in Al-Si alloy*
- 13.45 Viktor Nyeste<sup>1</sup>, Dániel Molnár<sup>2</sup>, Valéria Mertinger<sup>3</sup> *University of Miskolc, Hungary*  
*Physical Metallurgy aspects of the effect of squeezing during high pressure die casting*
- 14.00 Winnie Atieno Onyango<sup>1</sup>, *University of Miskolc, Hungary*  
*Effect of zeolite on the properties of HDPE as a hybrid biocomposite*
- 14.15 Enikő Hornyák-Mester<sup>1</sup>, *University of Miskolc, Hungary*  
*Investigation of the effect of autoclave aging on polyurethane foams with low VOC content*
- 14.30 Alexandra Hamza<sup>1</sup>, Attila Kiss<sup>2</sup>, István Kocserha<sup>3</sup> *University of Miskolc, Hungary*  
*Reducing the density of fired ceramic products*
- 14.45 Nóra Bíró<sup>1</sup>, György Fegyverneki<sup>2</sup>, Dániel Molnár<sup>3</sup> *University of Miskolc, Hungary*  
*Examination of thermal analysis technological sample*
- 15:00 *Break*
- 15.15 Dániel Molnár<sup>1</sup>, János Erdélyi<sup>2</sup>, Zoltán Bratu<sup>3</sup> *University of Miskolc, Hungary*  
*Innovative cooling solutions of HPDC technology*
- 15.30 Sándor Endre Kovács<sup>1</sup>, László Varga<sup>2</sup>, *University of Miskolc, Hungary*  
*Orientation and melting characteristics of 3D printed 17-4PH stainless steel*
- 15.45 Yitbarek Minale<sup>1</sup>, *University of Miskolc, Hungary*  
*Predicting the thermodynamic compatibility of PVC based ternary blends*
- 16.00 Solmaz Hajjalilou<sup>1</sup>, Annamária Polyákné Kovács<sup>2</sup>, *University of Miskolc, Hungary*  
*Examination of the applicability of composites reinforced with poly(butylene terephthalate) glass fiber and carbon fiber in the automotive industry*
- 16.15 Rakhmataliev Shohruh<sup>1</sup>, Zsolt Sályi<sup>2</sup>, Márton Benke<sup>3</sup> *University of Miskolc, Hungary*  
*Treating C45 steel with solid powder aluminizing for selective soldering tool applications*
- 16.30 Aouti Aymen<sup>1</sup>, *University of Miskolc, Hungary*  
*Development of metallic materials with high internal specific surface area*
- 16.45 Winnie Atieno Onyango<sup>1</sup>, György Czél<sup>2</sup>, *University of Miskolc, Hungary*  
*Innovative processes in energy management*

## C: MODERN MATERIALS SCIENCE AND ENGINEERING

---

**VENUE:** *Lecture Hall VI., Bld. A/1. first floor*

**Chairman:** *Attila Baksa assoc. professor*

**Secretary:** *Erika Rozgonyi assoc. professor*

**Date:** **30 May, 2024**

- 13.30 Erika Rozgonyi<sup>1</sup> *University of Miskolc, Hungary*  
***The difficulties of teaching descriptive geometry and mathematics nowadays***
- 13.45 József Túri<sup>1</sup> *University of Miskolc, Hungary*  
***On linear regression and its applications***
- 14.00 József Túri<sup>1</sup> *University of Miskolc, Hungary*  
***On linear modell and their applications***
- 14.15 József Túri<sup>1</sup> *University of Miskolc, Hungary*  
***Dominant sets of graphs and their applications***
- 14.30 Tamás Glavosits<sup>1</sup>, Zsolt Karácsony<sup>1</sup> *University of Miskolc, Hungary*  
***Functional equations on grids***
- 14.45 Tamás Glavosits<sup>1</sup>, Bende Glavosits *University of Miskolc, Hungary*  
***Limit properties of linear recursions***
- 15.00 Break
- 15.15 Messaoudi Abderrazek<sup>1</sup>, György Szeidl<sup>1</sup>, László Péter Kiss<sup>1</sup> *University of Miskolc, Hungary*  
***Green's function technique for stepped beam vibrations***
- 15.30 Marwen Habbachi<sup>1</sup>, Attila Baksa<sup>1</sup> *University of Miskolc, Hungary*  
***Numerical modelling of single point incremental***
- 15.45 Messaoudi Abderrazek<sup>1</sup>, László Péter Kiss<sup>1</sup> *University of Miskolc, Hungary*  
***On the stability of arches with imperfection***
- 16.00 Attila Baksa<sup>1</sup>, István Ecsedi<sup>1</sup> *University of Miskolc, Hungary*  
***Bending of curved composite beam with interlayer slip***
- 16.15 Issa Omle<sup>1</sup>, Endre Kovács<sup>1</sup> *University of Miskolc, Hungary*  
***Study and simulation of solar radiation intensity in Syria and evaluate the resulting energy***
- 16.30 Ihab Sekhi<sup>1</sup> *University of Miskolc, Hungary*  
***Optimizing data center selection for user requests using the haversine formula in broker-based systems***
- 16:45 Summary

## D: MODERN MATERIALS SCIENCE AND ENGINEERING

---

**VENUE:** *Room 115., Bld. A/3. first floor*  
**Chairman:** *László Kuzsella associate professor*  
**Secretary:** *Afraa Khattab doctoral student*

**Date:** **30 May, 2024**

- 13.30 Imre Marada<sup>1</sup>, János Bihari<sup>1</sup> *University of Miskolc, Hungary*  
***Research of the accuracy of 3D printed plastic gears***
- 13.45 Imre Marada<sup>1</sup>, János Bihari<sup>1</sup> *University of Miskolc, Hungary*  
***Analysis of small plastic gears manufactured by SLS printing***
- 14.00 Imre Marada<sup>1</sup>, János Bihari<sup>1</sup> *University of Miskolc, Hungary*  
***Investigation of tooth thickness faults in small plastic gears***
- 14.15 Bálint Siktár<sup>1</sup>, György Hegedűs<sup>1</sup>, József Kakuk<sup>1</sup> *University of Miskolc, Hungary*  
***Electromechanical model of a hedgetrimmer mechanism***
- 14.30 László Könözsy<sup>1</sup>, Nikos Monokrousos<sup>1</sup>, Vassilios Pachidis<sup>1</sup>, Ernesto Sozio<sup>1</sup>, Federico Rossi<sup>1</sup>  
*Cranfield University*  
***Temperature-dependent solid material properties of GRCop-42 for an additively manufactured liquid rocket engine LOx cooling channel***
- 14.45 Afraa Khattab<sup>1</sup> *University of Miskolc, Hungary*  
***Robotic systems for additive manufacturing: a review***
- 15.00 Break
- 15.15 Iyad Al-Najjar<sup>1</sup>, Károly Jálics<sup>1</sup>, László Kollár<sup>2</sup> *University of Miskolc, Hungary<sup>1</sup>, Eötvös Loránd University, Faculty of Information Science, Hungary<sup>2</sup>*  
***Windturbine's blade vibration: Review***
- 15.30 István Tüske<sup>1</sup> *University of Miskolc, Hungary*  
***Mechanical analysis of a tilting table***
- 15.45 László Kuzsella<sup>1</sup> *University of Miskolc, Hungary*  
***Wear measurements of railway brake materials***
- 16.00 István Besenyei<sup>1</sup> *University of Miskolc, Hungary*  
***Végeselem optimalizálás tetszőleges feladatra***



## **E: MODERN MATERIALS SCIENCE AND ENGINEERING**

---

**VENUE:** *Room 44., Bld. A4. ground floor*

**Chairman:** *János Lukács full professor*

**Secretary:** *Judit Kovács doctoral student*

**Date:** **30 May, 2024**

- 13.30 János Lukács<sup>1</sup>, Judit Kovács<sup>1</sup> *University of Miskolc, Hungary*  
***Influence of hydrogen on pipeline materials based on example of API X52 and X100 grades***
- 13.45 Judit Kovács<sup>1</sup>, János Lukács<sup>1</sup> *University of Miskolc, Hungary*  
***Fatigue crack propagation in S1100M and S1300Q structural steels and their welded joints***
- 14.00 Nóra Nagy<sup>1</sup>, János Lukács<sup>1</sup> *University of Miskolc, Hungary*  
***Microstructural characteristics of hydrogen-exposed P355NH steel and welded joints***
- 14.15 Mariann Fodorné Cserépi<sup>1</sup>, Ákos Meilinger<sup>1</sup> *University of Miskolc, Hungary*  
***The effect of RSW technological parameters to the properties of aluminium/steel hybrid joints***
- 14.30 Gábor Terdik<sup>1</sup>, Ákos Meilinger<sup>1</sup> *University of Miskolc, Hungary*  
***The effect of welding heat input to the properties of surface layers in case of hardfacing***
- 14.45 Ádám Pap<sup>1</sup>, Marcell Gáspár<sup>1</sup>, Ákos Meilinger<sup>1</sup> *University of Miskolc, Hungary*  
***Characteristics and different types of the CMT process variant***
- 15.00 Break
- 15.15 Jemal Ebrahim Dessie<sup>1</sup>, Zsolt Lukács<sup>1</sup> *University of Miskolc, Hungary*  
***A non-contact optical uniaxial tension-unloading strain measurement***
- 15.30 Abdulhakim Shukurea Rahmato<sup>1</sup>, Péter Zoltán Kovács<sup>1</sup> *University of Miskolc, Hungary*  
***Tensile strength and failure behaviour of clinched joint in cross-tension specimens of similar aluminium sheets***
- 15.45 Sahm alden Abd al al<sup>1</sup>, Ákos Meilinger<sup>1</sup>, Marcell Gáspár<sup>1</sup> *University of Miskolc, Hungary*  
***Comparative analysis of geometrical deviation effects on RSW sample preparation of AHSS***
- 16.00 Lucas Alexander De Carvalho<sup>1</sup> *University of Miskolc, Hungary*  
***Physical measurement of parameters of AutoForm friction model***
- 16.15 Viktória Kállai<sup>1</sup>, Péter Mizsey<sup>1</sup>, L. Gábor Szepesi<sup>1</sup> *University of Miskolc, Hungary*  
***Investigation of material cost of a propane-propylene rectification column***
- 16:30 Levente Tugyi<sup>1</sup>, L. Gábor Szepesi<sup>1</sup>, Zoltán Siménfalvi<sup>1</sup> *University of Miskolc, Hungary*  
***Hydrogen leak investigation with BREEZE Incident Analyst software***
- 16.45 Summary

## **F: MODERN MATERIALS SCIENCE AND ENGINEERING**

---

**VENUE:** *Room 1., Bld. C/1. ground floor*  
**Chairman:** *Gyula Varga assoc. professor*  
**Secretary:** *Viktória Ferencsik assistant professor*

**Date:** **30 May, 2024**

- 13.30 Dávid Bodnár<sup>1</sup>, Károly Jármái<sup>1</sup> *University of Miskolc, Hungary*  
***Multi-variable optimisation of a mechanical structure based on manufacturing technology and cost analysis***
- 13.45 Wafae El Majdoub<sup>1</sup>, Csaba Felhő<sup>1</sup> *University of Miskolc, Hungary*  
***Vibration measurement in metal turning using MPU6050 sensor***
- 14.00 Tanuj Namboodri<sup>1</sup>, Csaba Felhő<sup>1</sup> *University of Miskolc, Hungary*  
***Study of the impact of vibration characteristics on the surface roughness using MPU6050 Sensor at turning of 11SMn30 steel***
- 14.15 Frezgi Tesfom Kebede<sup>1</sup>, Csaba Felhő<sup>1</sup> *University of Miskolc, Hungary*  
***Analysis of topographic change by slid burnishing of C45 steel surface milled with variable inserts***
- 14.30 Gyula Varga<sup>1</sup>, Viktória Ferencsik<sup>1</sup> *University of Miskolc, Hungary*  
***Effect of slide diamond burnishing on different surface roughness parameters when burnishing stainless steel***
- 14.45 Szilárd Smolnicki<sup>1</sup>, Gyula Varga<sup>1</sup>, *University of Miskolc, Hungary*<sup>1</sup>,  
***Examination of the energy efficiency of diamond burnishing using factorial experimental design***
- 15.00 Break
- 15.15 Karolina Wierzbowska Stępień<sup>1</sup>, Agnieszka Elżbieta Kochmańska<sup>1</sup> *West Pomeranian University of Technology*<sup>1</sup>,  
***The resistance of aluminide coatings on ferritic stainless steel 1.4510 in a nitriding atmosphere***
- 15.30 Krisztina Kun-Bodnár<sup>1</sup>, Zsolt Maros<sup>1</sup> *University of Miskolc, Hungary*  
***Efficiency of machining polymer, marble and steel materials at abrasive water jet cutting***
- 15.45 Krisztina Kun-Bodnár<sup>1</sup>, Zsolt Maros<sup>1</sup> *University of Miskolc, Hungary*  
***2D and 3D surface roughness parameters of surfaces machined with EDM***
- 16.00 Summary

## **G: LAW Section**

---

**VENUE:** *Room Eperjes, Bld. A/6. ground floor 31.*  
**Chairman:** *Zoltán VARGA assoc. professor*  
**Secretary:** *Ömer Batuhan DOGAN LLM Student*

**Date:** **30 May 2024**

- 13.30 **Ágnes Váradi** *HUN-REN Centre for Social Sciences Institute for Legal Studie*  
*Remarks on access to justice and the digital divide from the aspect of procedural law*
- 13.45 **Erika Róth** *University of Miskolc, Hungary*  
*Ensuring the timeliness of criminal proceedings in Hungary*
- 14.00 **Andrea Jánosi** *University of Miskolc, Hungary*  
*Renewal of the Prüm framework on automated data exchange*
- 14.15 **Nóra Béres** *University of Miskolc, Hungary*  
*Obligations of States regarding the Principle of Non-Refoulement*
- 14.30 **Andrea Gerőcs-Tóth** *University of Miskolc, Hungary*  
*Adulteration of organic food products*
- 14.45 **Zsófia Hornyák** *University of Miskolc, Hungary*  
*Agricultural novelties*
- 15.00 **Zsolt Czékmann** *University of Miskolc, Hungary*  
*e-Participation, new solutions to new problems, or how ICT can help local communities*
- 15.15 **Ágnes Juhász** *University of Miskolc, Hungary*  
*Private law concerns of digital assets*
- 15.30 *Break*
- 15:45 **Hilda Tóth** *University of Miskolc, Hungary*  
*Presumption of employment on the platform work*
- 16:00 **Adrienn Nagy** *University of Miskolc, Hungary*  
*Digitalisation of justice in the European Union*
- 16.15 **Zoltán Angyal** *University of Miskolc, Hungary*  
*Emerging Technologies and the Court of Justice of the European Union*
- 16.30 **Éva Erdős** *University of Miskolc, Hungary*  
*Some issues of taxation in the digital economy in the light of the case law of the Court of Justice of the European Union*

- 16.45 **Balázs Szabó** *University of Miskolc, Hungary*  
***Digital „weapons” against wild animals - Solution to reduce social conflicts?! -The title of the presentation***
- 17.00 **Zsófia Pécsi** *University of Miskolc, Hungary*  
***Effects of Education on Juvenile Delinquency***
- 17.15 **Ágota Szekeres** *University of Miskolc, Hungary*  
***Glimpses of Resilience: Water Services under Law 241/2006 in Romania***
- 17.30 **Gábor Révész** *University of Miskolc, Hungary*  
***The representation of sexuality in music and its influence on the sexual behaviors of adolescents and young adults***

## H: LAW Section

---

**VENUE:** *Library of the Institute of Civil Sciences, Bld. A/6. 117/A.*  
**Chairman:** *Zoltán VARGA assoc. professor*  
**Secretary:** *Ömer Batuhan DOGAN LLM Student*

**Date:** **31 May 2024**

- 13.30 **Réka Pusztahelyi** *University of Miskolc, Hungary*  
*XXth Century Theories on Risk-Based Liability in Light of the Technological Development of XXIst Century*
- 13.45 **Huthaifa Albustanji** *University of Miskolc, Hungary*  
*Cyber warfare: Complexity and Challenges*
- 14.00 **Ammar Alqatawna** *University of Miskolc, Hungary*  
*Artificial Intelligence (AI) and Courtroom Automation*
- 14.15 **Bulcsú Balla** *University of Miskolc, Hungary*  
*Criminal liability through the prism of the theory of objective imputation*
- 14.30 **Orsolya Sztermen** *University of Miskolc, Hungary*  
*How museums insure their art?*
- 14.45 **Raheleh Soltanibahrehand** *University of Miskolc, Hungary*  
*Encouraging Renewable Energy Growth Through Market-Based Policies: EU Regulatory Innovations*
- 15.00 **Raheleh Soltanibahrehand** *University of Miskolc, Hungary*  
*The bad effect of internet infringements on copyright economic rights*
- 15.15 **Aurél Csík** *University of Miskolc, Hungary*  
*Actions against the online disinformation in the European Union*
- 15.30 *Break*
- 15.45 **Zoltán Mándy** *University of Miskolc, Hungary*  
**The contradictions of Human Rights**
- 16.00 **Ömer Batuhan Dogan** *University of Miskolc, Hungary*  
*Product Liability Rules Worldwide*
- 16:00 **Hanin Ghanem** *University of Miskolc, Hungary*  
*Smart contracts as one of the most important applications of blockchain technology*
- 16.15 **Sanna Ibrahim Merie** *University of Miskolc, Hungary*  
*Early delivery in a contract for the international sale of goods*
- 16.30 **Erika Váradi-Csema** *University of Miskolc, Hungary*  
*Sex addiction, online pornography and the new generations*

16:45 **Tamás Csema** *University of Miskolc, Hungary*  
*Labour law aspects of shift work - through a medical perspective*

17.00 **Zoltán Varga** *University of Miskolc, Hungary*  
*Digitalisation in the tax law*

## I: SUSTAINABILITY AND ECONOMY

---

**VENUE:** *Room 218., Bld. A/4. 2<sup>nd</sup> floor*  
**Chairman:** *Mária VÁRKONYINÉ JUHÁSZ assoc. professor*  
**Secretary:** *Klaudia MURÁNYI assistant professor*

**Date:** **30 May, 2024**

- 13.30 Hajnalka Sándor *University of Miskolc, Hungary*  
***From Skincare to Surgery: South Korea's Influence in Beauty and Health Tourism***
- 13.45 Ensem Mourou *University of Miskolc, Hungary*  
***Unveiling the Nexus between Digitalization and Economic Performance: An Empirical Analysis for the European countries***
- 14.00 Hajer Jomaa *University of Miskolc, Hungary*  
***Flexibility and equality: unraveling the nexus of labor market dynamics and gender equality in developing countries.***
- 14.15 Mária Várkonyiné Juhász, Judit Füredi-Fülöp *University of Miskolc, Hungary*  
***Deferred tax in hungarian national and international accounting regulations***
- 14.30 Klaudia Murányi *University of Miskolc, Hungary*  
***Regulations regarding the compliance assurance function in light of the recommendation for internal defense lines***
- 14.45 Mónika Kis-Orloczky *University of Miskolc, Hungary*  
***Sustainable university rankings***
- 15.00 *Break*
- 15.15 László Berényi *University of Miskolc, Hungary*  
***Assessing the actuality and relevant importance of Deming's 14 points***
- 15.30 Dóra Szendi *University of Miskolc, Hungary*  
***Spatial disparities in the centre of gravity in Central-Eastern Europe based on different socio-economic indicators***
- 15.45 Katalin Lipták, Evelin Zapreskó-Farkas *University of Miskolc, Hungary*  
***Examining territorial inequalities in labour market processes in Hungary***
- 16.00 Zoltán Somosi *University of Miskolc, Hungary*  
***A hatékony email marketing kialakítása a mesterséges intelligencia relevanciáját figyelembe véve***
- 16.15 Zsolt Harangozó *University of Miskolc, Hungary*  
***Operational Results of Innovative Labour Market Cooperations***

## **J: SOCIAL SCIENCES AND HUMANITIES**

---

**Venue:** *Room 306., Bld. C/1 third floor*  
**Chairman:** **Ágnes MAGNUCZ-GODÓ** assoc. professor  
**Secretary:** **László BARNA** assist. lecturer

**Date:** **30 May 2024**

- 13.30 Renáta Mihály *University of Pécs, Hungary*  
*The Nagymiskolc Idea*
- 13.45 Sándor Fekete *University of Miskolc, Hungary*  
*Czech Security Policy Capabilities and Ambitions*
- 14.00 Virág Havasi *University of Miskolc, Hungary*  
*Experiences with democratic innovations in Miskolc*
- 14.15 Tünde Bajzát *University of Miskolc, Hungary*  
*International academics and researchers' motivation for living and working in Hungary*
- 14.30 Viktória Láng *University of Miskolc, Hungary*  
*Navigating the Boundaries: Exploring the Complexities of Hate Speech in Contemporary Society*
- 14.45 Robin Lee Nagano, Sedlák Fanni *University of Miskolc, Hungary*  
*Impersonal usage in journal article abstracts*
- 15.00 Attila Takács *University of Miskolc, Hungary*  
*Reclaiming Narratives: Countering Hollywood Stereotypes with Indigenous Cinema and Inuit Perspectives*
- 15.15 Tamás Vraukó *University of Miskolc, Hungary*  
*The Way of the Underdog in Time and Space: The Works of Bruce Springsteen and Johnny Cash*
- 15.30 Marianna Bazsó-Sőrés *University of Miskolc, Hungary*  
*Spatial Constructions and Women's Role in the Yellow Road by Veza Canetti*



## **K: Health Sciences**

---

**VENUE:** *Room 207., Stefánia Bld. Faculty of Health Sciences*  
**Chairman:** *Andrea Lukács Associate Professor*  
**Secretary:** *Nóra Simon Senior Lecturer*

**Date:** **30 May 2024**

- 13.30 Andrea Lukács *Faculty of Health Sciences, University of Miskolc, Hungary*  
***Physical activity of children with type 1 diabetes***
- 13.45 Hajnalka Sándor *Faculty of Health Sciences, University of Miskolc, Hungary*  
***From skincare to surgery: South Korea's influence in beauty and health tourism***
- 14.00 Norbert Pászka *Faculty of Health Sciences, University of Miskolc, Hungary*  
***The organizational structure of the medicinal herb growing sector and its analysis***
- 14.15 Taysir Laajili<sup>1</sup>, Csaba Kató<sup>2</sup>, Andrea Lukács<sup>2</sup> *School of Doctoral Studies, Hungarian University of Sports Sciences<sup>1</sup>, Faculty of Health Sciences, University of Miskolc, Hungary<sup>2</sup>*  
***Well-being and health perception of elite female athletes***
- 14.30 Emőke Kiss-Tóth *Faculty of Health Sciences, University of Miskolc, Hungary*  
***The satisfaction with the academic environment among the students of the University of Miskolc***
- 14.45 *Break*
- 15.00 Andrea Rucska, Csilla Lakatos, *Faculty of Health Sciences, University of Miskolc, Hungary*  
***Legal drug use patterns of adolescents in Northern Hungary: risk and protective factors***
- 15.15 Krisztina Mayer *Faculty of Health Sciences, University of Miskolc, Hungary*  
***Skiing as a means of maintaining health for a lifetime***
- 15.30 Csilla Lakatos, Eleonóra Juhász, Andrea Rucska *Faculty of Health Sciences, University of Miskolc, Hungary*  
***Relationships between burnout, self-esteem and psychological well-being in college students***
- 15.45 Anna Perge, Emőke Kiss-Tóth, Andrea Rucska, *Faculty of Health Sciences, University of Miskolc, Hungary,*  
***Disadvantaged situation and children***
- 16.00 Ilona Bukta *Faculty of Health Sciences, University of Miskolc, Hungary*  
***Application of key performance indicators in residential social institutions***