

PROGRAM

EELISA Scientific Student Competition 2026

21-22 MAY 2026

Madrid, Spain

Conceptually endorsed by EELISA INNOVation and COmmon Research Strategy (InnoCORE)

Alliance members

In Association with

Co-funded by

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Sándor Kiss (BME)

Patrascu Claudiu (UNSTPB)

Carlos Paredes Bartolome (UPM)

Patrik Gádoros (BME)

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Dorottya Ágoston (BME)

Balázs István Benyó (BME)

Alexander Preis (FAU)

Jose-Javier Serrano-Olmedo (UPM)

Sabrina Patricia State (UNSTPB)

Angel Cordero-Ampuero (UPM)

Attila László Joó (BME)

Zsuzsa Szalay (BME)

Asli Can Karaca (ITU)

Tamás Krámer (BME)

Elena Iuliana Bîru (UNSTPB)

Csaba Fehér (BME)

Marta Berrocal-Lobo (UPM)

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Lukas Gugel (FAU)

Ana Luz Rubio Moreda (UPM)

Edit Tomasovszky (BME)

Anikó Grad-Gyenge (BME)

Hür Bersam Sidal (ITU)

Noémi Csigéné Nagypál (BME)

Rydzek Benedikt Zoller (ZHAW)

Alper Yurttas (ITU)

Donát Ákos Köller (BME)

Özgür Didem (ITU)

Bálint Szabó (BME)

István Szabó (OTDT)

Francesco Porcini (SSSA)

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Mátyás Szántó (BME)

Noémi Seres (BME)
Tibor Sipos (KTI)
Andrea Alonso Ramos (UPM)
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Zoltán Bánhidi (BME)
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Cristian Camardella (SSSA)
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Ákos Szlávecz (BME)
Márton Szemenyei (BME)
Francisco Pérez Moreno (UPM)
Eduardo Lopez (UPM)
Attila Barócsi (BME)

Members of the EELISA 2 WP9

Andrea Mina (SSSA)
Rossella Raso (SSSA)
Chiara Carbonaro (SSSA)
Maria Teresa Navigato (SSSA)
Antonio De Marco (SSSA)
Alessandro Genua (SSSA)
Francesco Raimondi (SNS)
Pasqualantonio Pingue (SNS)
Chiara Canneva (SNS)
Inês Roquero da Costa Pinto (ECO)
Mustafa Sevimli (ENPC)
Victoria Goldberg (FAU)
Supriya Singh (FAU)
Bersam Bolat (ITU)
Başak Tiniş (ITU)
Didem Özgür (ITU)

Burcu Bulut (ITU)
Dóra Dankó (BME)
Grad-Gyenge Anikó (BME)
Fehér Csaba (BME)
Gádoros Patrik (BME)
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Delphine Saint-Laurent (PSL)
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Horia Iovu (UNSTPB)
Iuliana Biru (UNSTPB)
Dana Gheorghe (UNSTPB)
Juan Manuel Muñoz Guijosa (UPM)
Isabel Salgueiro (UPM)
Andreas Binkert (ZHAW)

Organizing Committee:

Balázs Kövesdi – co-chairman (BME)
András Pataricza – co-chairman (BME)
Carlos Polvorinos-Fernández – hosting
co-chairman (UPM)
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Máté Zöldy (BME)
Noémi Csigéné Nagypál (BME)
Patrik Gádoros (BME)

Dóra Máthé (BME)
Sándor Kiss (BME)
Csaba Fehér (BME)
Márk Kovács (BME)
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Bálint Molnár (BME)
István Bíró (BME)
Gergely Sági (BME)
Milán Mondok (BME)
Géza Németh (BME)
Dénes Kollár (BME)

PROGRAM

Sessions	ZOOM	Location
21st MAY 2026		
8:00 – 9:00 Registration		Sala de la Máquina hall
9:00 – 10:00 Opening ceremony	Link	Salón de ACtos / Auditorium
10:00 – 13:00 Parallel Sessions		
AI technologies	zoom link Meeting ID: 82381012388	R4
Applied Sciences 1	zoom link Meeting ID: 884 3076 6454	D
Architecture	zoom link Meeting ID: 86274823278	C
Automation, Control, Robotics	zoom link Meeting ID:82502919797	Puig Adam
Biomedical research	zoom link Meeting ID: 851 8092 3564	F10
Chemical and Bioengineering 1	zoom link Meeting ID: 86592941527	Artigas
Mobility, vehicle engineering, transportation services	zoom link Meeting ID: 82650518119	R3
Social Sciences 1	zoom link Meeting ID: 85023024839	R2
13:00 – 14:00 Lunch		
		Pabellón Deportivo sports hall
14:00 – 17:00 Parallel Sessions		
Applied Informatics	zoom link Meeting ID: 82381012388	R4
Applied Sciences 2	zoom link Meeting ID: 884 30766454	D
Built Environment	zoom link Meeting ID:82502919797	Puig Adam
Chemical and Bioengineering 2	zoom link Meeting ID: 86592941527	Artigas
Clinical diagnostics, treatment, and rehabilitation	zoom link Meeting ID: 851 8092 3564	F10

Mobility, autonomous vehicles, aviation and space technology	zoom link Meeting ID: 82650518119	R3
Smart production	zoom link Meeting ID: 86274823278	C
Social Sciences 2	zoom link Meeting ID: 85023024839	R2
19:00 – 20:30 Visiting the city - Madrid		
22nd MAY 2025		
9:00 – 12:00 Get to know UPM		
12:00 – 13:30 Awarding ceremony	Link	Salón de ACTos / Auditorium
13:30 – 14:30 Lunch		Pabellón Deportivo sports hall

AI technologies

Chair: Géza Németh (BME)

Jury members: László Gönczy (BME), Volkan Müjdat Tiryaki (ITU), Pál Varga (BME), Dávid Dobák (Thyssenkrupp Hungary Kft.), Koustas Spyridon (FAU), Cristian Camardella (SSSA), Lopez Eduardo (UPM)

10:00 Boldizsár Bunda

Training autonomous robots in simulator with adaptive knowledge sharing in variable network environments

10:20 Ágota Benedek, Csaba Potyók

From Guidelines to Graphs: Towards Graph Retrieval and Diagnostic Pathway Augmented Language Models

10:40 S. Afeefa

Scalable Bipartite Spectral Embedding for Recommender Systems Using Nyström Approximation

11:00 Bertalan Lichter

Training of RBF-AR models - A Mixture-of-Experts approach

11:20 András Gergely Deé-Lukács

Impact Assessment Supported AI Safety Wrapper

11:40 Break

12:00 Dávid Nagy

Explaining Model Decisions via Conditional CounteRGANs and Natural-Language Interaction

12:20 Laetitia Carli

Are LLM Annotations Context-Dependent? A Case Study on Harry Potter Fanfiction

12:40 Aria Raoufi Seyed

Architectural Trade-offs in Agentic AI: A Comparative Analysis of Communication Topology and Reliability in AutoGen and CrewAI Frameworks

Applied Informatics

Chair: László Gönczy (BME)

Jury members: Pál Varga (BME), Géza Németh (BME), Volkan Müjdat Tiryaki (ITU), Dávid Dobák (Thyssenkrupp Hungary Kft.), Koustas Spyridon (FAU), Cristian Camardella (SSSA)

14:00 Kristóf Samu Mile-Kis, Zsombor Tapasztó

Quantum Hough Transformation

14:20 Artem Kopácsi

Model-Based Lifecycle from Requirements to Hardware for Nuclear Instrumentation and Control

14:40 Dániel Kovács

Upgrading Your CAR: Abstraction-Based Verification Techniques and Optimizations for Efficient Model Checking

15:00 Dario Geiser

Hybrid Blockchain-Based Pipeline for Secure Genomic Data Management

15:20 Cristina Marzo-Pardos

Assistive Optical Music Recognition for Iberian Keyboard Tablatures

15:40 Sıla Başaran

An Egocentric Sign Language Translation System Focusing on Data Privacy Using Multimodal Transformer Networks

Applied Sciences 1

Chair: Sándor Kiss (BME)

Jury members: Claudiu Patrascu (UPB), András Dombi (HUN-REN Wigner FK), Agaoglou Makrina (UPM)

- 10:00 Richárd Ferdinánd Mészáros, Bence András Dercsényi**
Numerical analysis of gas expansion into vacuum
- 10:20 Áron Bányai, Aurél Varga**
Noise Characterization of Ferroelectric Memristive Synapses
- 10:40 Thomas Ajin**
Neural Operator Learning for Fluid Dynamics: A Study on Navier-Stokes Equations
- 11:00 Anna Árok**
Investigation of light polarization state changes in optical fibers induced by deformation
- 11:20 Máté Hizó**
Investigation of High Frequency Artificial Neuron Circuit Using VO₂ Memristors
- 11:40 Break**
- 11:50 Andrei Fodor**
Bandpassfilter for cryogenic waveguides in quantum computer applications
- 12:10 Róbert Layous**
Correlations in the sine-Gordon model
- 12:30 Zsigmond Pollner**
Ultra High Frequency Oscillators With Nanoscale VO₂ Memristors
- 12:50 Csenger Nyitrai**
Accelerating Beam Emission Spectroscopy Calculations Using Transformer and Fourier Neural Operators
- 13:10 Aleyna Koral**
AI-Based Carbon Budget Tracking in Wind Power Systems

Applied Sciences 2

Chair: Paredes Bartolome Carlos (UPM)

Jury members: Sándor Kiss (BME), Patrik Gádoros (BME), Nico Michele Schiavone (UPM), Cardarelli Francesco (SNS)

14:00 Gregorio Jaca

Chaos in Large Language Models

14:20 Andrei-Eduard Cursaru, Andra-Eleonora Radan

Getting Taylor bubbles to move faster

14:40 Vladimir Pirogov

Gate-Induced Control of Superconductivity in $\text{KTaO}_3(111)$ Interfaces

15:00 Alberto Anelli

From Spectral Physics to AI: A Hybrid Approach for Reliable Rare Earth Element Detection in Hyperspectral Imagery

15:20 Xu Chenyi

First-Order Ambisonics Microphone Arrays for Spatial Room Acoustic Parameter Evaluation: Physical Boundaries and Systematic Errors.

15:40 Break

16:00 Victoria-Elena Ploeanu

Underwater capillary filling

16:20 Szófia Szepesi, Tünde Livia Boda

Following the Northern Lights with GPS

16:40 Ioana Rasuceanu

Capillarity-driven flows with elongated bubbles

17:00 Huba Benedek Bugyi

Beam emission spectroscopy systems' sensitivity to beam energy and plasma temperature

17:20 András Szebedy

Photoluminescence characterization of emitter materials for organic light-emitting diodes

Architecture

Chair: Gergely Sági (BME)

Jury member: Dóra Máthé (BME), György Hild (BME), Emine Gorgul (BME), Giuseppe La Ferla (UPM)

10:00 İnci Çelikbaş

Community-Based Architecture for Post-Disaster Recovery: A Systemic Analysis of Çekmece Community Center

10:20 Vasquez De La Cruz Kirssy Maria

Systematization of the feeding of architectural data for the training of AI models

10:40 Balázs Heim, Viktor Rideg

PLAYGROUND, STAGE, COUNTERPOINT? - The social dimensions of play

11:00 Réka Podmaniczky

"Frozen Musician" in Mexico

11:20 Yusif Yusublu

Reusable modular approximations of free-form surfaces

11:40 Break

11:50 Tamara Tóth

Collage City - Alternative Spatial Practices and Community Micro-Interventions in the Utopia of Gibellina Nuova

12:10 Aldaaja Worood

Architectural Positioning of Recycled Plastics: A Systematic Multi-Criteria Analysis

12:30 Nikolett Geraszin

Tram, city, identity: rethinking Budapest's Grand Boulevard - A comparative study of international boulevard typologies through artificial intelligence

Automation, Control, Robotics

Chair: Juan José Morillas Guerrero (UPM)

Jury member: Ágnes Urbin (BME), Zsanett Bertók (BME), Morillas Guerrero Juan José (UPM),
Domenico Chiaradia (SSSA), Irina Mocanu (UPB)

10:00 Vanda Orsolya Nagy

The possibility of interoperability between design procedures in the control of mechatronic systems

10:20 Pîslariu Rareş-Ioan, Berechet Ion-Nicholas-Anthony, Gheaja Tudor-Cristian, Stefan Ursache, Catalin Chelmus

Development and Validation of Sounding Rocket Avionics System

10:40 Eldam Alp

Edge-Optimized Multi-Drone Target Tracking via YOLOX with Exponential History Loss and EMA Feature Filtering

11:00 Gül Fuat Berke

Artificial Intelligence Control of Automotive Compatible PEM Fuel Cell

11:20 Alessandro Genua

Mechanical Design and Kinematic Optimization of Human-Centered Robotic Systems

11:40 Break

11:50 Carolina Yasmin Tank Vela

Metrology-Driven Point Cloud Processing for Extrinsic Calibration in Robotic Manufacturing Systems

12:10 Kerem Özkan

Optimization of Feedback Control Loops in Power Electronics via Machine Learning Integration

12:30 Tamás Barnabás Kovács

Analysis of Production Scheduling Heuristics for General Flow Shop Problems Using Robustness Metrics

12:50 Máté Olivér Hus

Optimization of UAV propulsion systems through the development of a motor-propeller selection method based on experimental and CFD analysis

Biomedical research

Chair: Alexander Preis (FAU)

Jury members: Ágoston Dorottya (BME), Benyó Balázs (BME), Serrano-Olmedo Jose-Javier (UPM),
Sabrina Patricia State (UPB)

10:00 Francesco Pieracciani

Light-Driven Biological Reservoir Computing: An Optogenetic Approach to Pattern Classification

10:20 Patricia Martín Reguera, Yixi Zhang

In silico mesoscopic model to simulate tumor growth and vasculature based on cancer stem cells hypothesis

10:40 Miklós Damján

Evaluating uncertainty quantification methods in a simplified aneurysm model

11:00 Emir Duruduygu

A Multiclassification Approach for Breast Lesions (BI-RADS 1, 2, and 4) Using Microwave Imaging and Gradient Boosting Algorithms to Assess Lifetime Risk

11:20 Gabrielle Carrijo Gabrielle Barbosa

Burnout Syndrome among students of a higher education institution: a correlation study

11:40 Break

11:50 Marco Pérez Fernández

Inducible CRISPR/Cas systems for the specific targeting of oncogene amplifications

12:10 Cristina Varzari

The Site Conditions as the Missing Variable in MASLD Detection: HepaCare 360 and the Absorption Capacity Index

12:30 Gabriella Dudás

Determination of material properties of biological tissue suitable for vascular replacement in pediatric pulmonary artery stenosis

12:50 Dilmaç Elif Bengisu

A Comparative Study on the Chemical Stability and Neuroprotective Effects of Curcumin Derivatives in Alzheimer's Disease Models

Built Environment

Chair: Dénes Kollár (BME)

Jury members: Attila László Joó (BME), Tamás Krámer (BME), Zsuzsa Szalay (BME) Noémi Seres (BME), Angel Cordero-Ampuero (UPM)

14:00 Abigail-Bethsabé Sütő

Analytical and Numerical Study on the Behavior of Steel Extended End Plate Connections

14:20 Bence Hernádi

Compressed Air Energy Storage Implementation in Abandoned Mines: The Case of Selmechánya

14:40 Tímea Lajkó

Removal of Pharmaceutical Residues in Hungarian Wastewater Treatment Plants: Validation of the SimpleTreat 4.1 Model

15:00 Debóra Tünde Varga-Lehofer

Coupled analysis of low-water levels and morphological changes based on the example of the Upper Hungarian Danube

15:20 Abejón Matamoros Eugenia

The Water Traces of Enlightened Madrid. The hydraulic heritage of Juan de Villanueva.

15:40 Break

16:00 Botond Csákay

Buckling analysis of pylons in cable-stayed bridges

16:20 Jorge Luis Garcia Zea

Historical Digital Twin: Sensor Data to BIM Workflow

16:40 Gergely Gombos, Gellért Levente Nagy

3D printable environmentally friendly concrete

Chemical and Bioengineering 1

Chair: Iuliana Elena Bîru (UPB)

Jury members: Csaba Fehér (BME), Asli Can Karaca (ITU), Sabrina Patricia State (UPB), Szilveszter Gergely (BME), Rey Luis (UPM)

10:00 **Sarı Sena, Karakaş Ece, Vardi Seda Nur**

PVP-TA based bioactive wound closure hydrogel

10:20 **Mihaela-Aurelia Andrei**

Chitosan/Vanillin-Methacrylate Hydrogels: A Tunable Platform for Drug Delivery and Antimicrobial Activity in Wound Healing Applications

10:40 **Alexandru-Cristian Balasa**

Characterization of Hybrid PVA/CMC system used in contact lenses for Oligo-Hyaluronic Acid Delivery

11:00 **Szonja Rokonay**

Tracing myocardial injury with surface acoustic waves: determining onset and severity with a single biosensor

11:20 **de Blas de Miguel Alejandro**

From bioinspired microtextures to personalized cardiovascular implants: an integrated design framework for complex 3D surfaces

11:40 **Break**

11:50 **Viktória Gerő**

Flow Synthetic Development of Triazolyl Phosphoramidates and Phosphinamides

12:10 **Kinga Kovács**

Development of nanostructured coatings with selective light transmission and water-repellent surface properties

12:30 **Malik Pratibha**

A bimetallic aluminum-copper-carboxylate-pyrazolate based-MOF for post combustion CO₂ capture

12:50 **Pedro García Gómez**

A Web-Based Information System for Workflow-Driven Management of Safety-Critical Alerts and Incidents

Chemical and Bioengineering 2

Chair: Csaba Fehér (BME)

Jury members: Vanessa Ripoll (UPM), Celina Maria Damian (UPB), Ana-Maria Albu (UPB), Jasha Oosterbaan (PSL), Marta Berrocal-Lobo (UPM)

14:00 Victoira Utomo

Acceptance of Bio-based metalworking fluids (MWFs) in the Industry

14:20 Ioana-Mariana Sima

Unconventional Membranes for Determining Osmotic Pressure

14:40 Melinda Röhberg

Intensification of ethanol fermentation and yeast protein production by simulation-based cell mass optimization

15:00 Judit Szeip

Improving the survival of probiotic bacteria in cocoa powder-based granules

15:20 Gok Samet Gokberk

Production of Microfibrillar Composites via Fibrillation of rPET in a PP Matrix Reinforced with Nanoclay

15:40 Break

16:00 Csenge Dremák

Investigation of the recyclability of riverine plastic waste using reactive toughening

16:20 Ágnes Madács

Comparative NIR analysis of microgreens and baby leaves in fresh and dried state

Clinical diagnostics, treatment, and rehabilitation

Chair: Jose-Javier Serrano-Olmedo (UPM)

Jury members: Dorottya Ágoston (BME), Preis Alexander (FAU), Mariangela Filosa (SSSA),
Balázs István Benyó (BME)

14:00 Nasurla Kaan, Bratu Alin-Teodor

Gait analysis for determining diseases and biomechanical abnormalities using computer vision and machine learning

14:20 Márk Kovács, Selim Melek, Ciobanu Serena-Nicole

Low budget cap for the visually impaired with proximity sensor and vibrating feedback

14:40 Cristian Felipe Blanco-Diaz

Osseoperception as a supplementary sensory feedback in wearable human-machine interfaces

15:00 Cebeci Nurefsan, Berk Can, Kılıçer Melih

DESIGN OF AN IRL BASED DIALYSIS INITIATION SYSTEM IN ICU

15:20 Break

15:40 Anastasios Tzepkenlis

From Prediction to Prescription: A Prospective Clinical Trial of an Explainable AI Decision Support System for Personalized RobotAssisted Stroke Rehabilitation

16:00 Eléa Coulomb

Painless NGF Demonstrates Superior Efficacy to Wild-Type NGF in Alzheimer's Disease Model: A Comparative Study

Mobility, autonomous vehicles, aviation and space technology

Chair: Pérez Moreno Francisco (UPM)

Jury members: Máté Zöldy (BME), Péter Harth (BME), Ádám Nyerges (BME), Iria Lopez-Carreiro (UPM)

14:00 Andrei Garcia Cuadra Andrei

XAI-ABR: Explainable Artificial Intelligence Framework for Autonomous Motorcycle Racing
Decision-Making with Byzantine-Resilient Consensus

14:20 Előd István Király

Maneuver Load Alleviation and Autopilot Designs on T-Flex Demonstrator Aircraft

14:40 PhD Grigore Petru

The impact of electromobility on power quality and energy efficiency

15:00 Donos Alexandra, Girbea Ramona

Enhancing Decisional Transparency in Autonomous Systems: A Multi-Architectural Approach to
Robust Traffic Event Reconstruction

15:20 Martínez-Abarca Eduardo

Theoretical Viability of Beamed-Core Propulsion in Interplanetary Orbit Transfers and LEO
Logistics

15:40 Break

16:00 Ákos Márk Bokor

Robust Model Predictive Control for Spacecraft Rendezvous

16:20 Garcia Arturo De La Fuente

Expansion of the passenger terminal at Tenerife North Airport

16:40 Apostol Ana Maria, CĂBUZ Paul Octavian

Design and Validation of a Star Tracker Bracket Subjected to High Dynamic Launch Loads

17:00 Popescu Andreea, Ms Radoi Maria-Izabela, Drd. George Pâslaru, Catalin Chelmus, Stefan Ursache

Additive Manufacturing of a Bi-propellant Rocket Engine

Mobility, vehicle engineering, transportation services

Chair: Iria Lopez-Carreiro (UPM)

Jury members: Máté Zöldy (BME), Péter Harth (BME), Ádám Nyerges (BME)

10:00 Andrei-George Iordache, Darius Ionut Sotir

Structural and Operational Analysis of the DQ400e (0DD) Dual-Clutch Transmission within Plug-in Hybrid Electric Vehicle (PHEV) Architectures

10:20 Chirita Mario Gabriel, Gabriel Alexandru Andornache

KERS and E-Turbo on Non-Competition Road Vehicles

10:40 Isabela Lazar, Theodora-Alexandra Pisău

HelioCar: Where Sun Meets Motion

11:00 Șerban Gheorghe Dragoș

Advancements in AI-Driven Control Strategies for Power Electronics in Electric and Hybrid Drivetrains

11:20 Enache George Daniel

Standard-Compliant Intelligent Parking Reservation System (IPRS): A Multi-Tiered Architecture for Sustainable Urban Mobility and Automated Access Control

11:40 Break

11:50 Bodunu Nicolae, Eremia Razvan, Mihai Ivan

Design and Experimental Analysis of a Magnetorheological Damper Prototype for Automotive Applications

12:10 Ivan Mihai

Design and Functional Prototyping of an Adaptive Pallet Shuttle System for Robotic Parking Solutions

12:30 Ștefan Pampu Mihnea

Autonomous-Ready Mecanum-Based Robotic Platform for High-Precision Semi-Trailer Docking Operations

12:50 Thorben Rang

Integration of long-distance rail fares into MaaS packages: A cluster analysis approach with real data

13:10 CĂBUZ Paul Octavian, Apostol Ana Maria

Optimization of a Cam Profiles for H2-ICE Engines

Smart production

Chair: István Biró (BME)

Jury members: Ágnes Urbin (BME), Eszter Fehér (BME), Andrea Fernández (UPM), Carlos Polvorinos-Fernández (UPM), Lukas Gugel (FAU)

14:00 Irene Rodríguez Gramún

Orientation of Carbon Fibers in a Polymer Matrix Using Electric Fields for Material Extrusion

14:20 Hesén Dadaszade

Autonomous Ground-Based Robotic System for Real-time Drone Detection and Precision Tracking

14:40 Alexandra Baño Morales Daysi

Prediction of Microstructural Development in Injection-Molded Polypropylene Using WAXS and SAXS

15:00 Szabolcs Kövesi

Investigation of the recyclability of riverine plastic waste by injection molding

15:20 Hussain Anzar

PBF-LB/M Hardware Modification for Local Improvement of Metallic Printed Parts Properties: A Literature Review

15:40 *Break*

16:00 Brigitta Mikula

Development of an axial flux magnetic gearbox

16:20 Mirjam Cecília Kiss

Evaluation of fossil energy resources with ethanol equivalent

16:40 Virginia Rodero Padrós

Non planar additive manufacturing Toolpath generation through surface embedded maps: application to airfoils

17:00 Catalin Chelmus, Stefan Ursache, Enache Dacian-Mihail, Hachem Khaled, Eric Mihai Stefan

Flight dynamics and manufacturing of an experimental Sounding Rocket

17:20 José Luis Sánchez Díaz

Development of Lightweight Low-Pressure Turbine Blades: Evaluation of Microstructural Integrity in EBM-Fabricated TiAl Alloys

Social Sciences 1

Chair: Rubio Moreda Ana Luz (UPM)

Jury members: Noémi Csigéné Nagypál (BME), Anikó Grad-Gyenge (BME), Hür Bersam Bolat (ITU),
Edit Tomasovszky (BME), Minna Koponen (ZHAW)

10:00 Maharose Maisha Humayra, Ahmed Tehjib, Nguyen Lan Anh

Predicting Credit Card Attrition Using Machine Learning- Financial Insights for Customer Retention

10:20 Imanaliev Iskender, Maksatbek uulu Azim, Marcell Danka

Echoes of Longevity: Healthy Ageing Narratives in Science, News, and Social Media

10:40 Borbála Anna Princz

The Role of Recreational Activities in the Relationship Between Digital Work and Workplace Well-Being

11:00 Krisztina Török

Talent development and disadvantage compensation in vocational education

11:20 Amanda Rabovszky

Investigation of Consumer Perception and Packaging Preferences of Insect-Based Foods Using Conjoint Analysis

11:40 Break

11:50 Jenifer Merz

A Decision Framework for Selecting Soft Skills Assessments in Digital Adult Education: Operationalizing the LifeComp Competence Framework

12:10 Bettina Bokányi

An investigation of the perception of the LEGO Botanical product line through quantitative and qualitative methods

12:30 Naoko Ferreira-Redier

Can Large Language Models Truly Do the Work of a Linguist?

Social Sciences 2

Chair: István Szabó (OTDT)

Jury members: Noémi Csigéné Nagypál, (BME), Didem Özgür (ITU), Bálint Szabó (BME), Zoller Rydzek Benedikt (ZHAW), Yurttas Alper (ITU)

14:00 Ali Hafiz Fawad

When Healing Meets Pressure: A Multi-Study Investigation of Organizational Commitment in Italy's Regional Healthcare System

14:20 Pietro Zucchelli

Foreign Information Manipulation and Interference in the European Union: tools and techniques to identify and face FIMI menaces

14:40 Pietro Grassi

Geopolitical and Diagnostic Barriers to Palliative Care Access in Europe

15:00 Alexandra Bankó

The Hidden Face of the Green Transition: Examining Sustainability Paradox(es)

15:20 Eduárd Bologa

Data-Driven Player Performance Analysis and Dynamic Ranking in Football Using an Elo-Based Model

15:40 Break

16:00 Ádám Hajas

Reintegration and Resilience: Pathways of Social and Economic Integration in Nógrád County – Towards an Innovative Sustainability Model

16:20 Luca Nagy

Business Analysis of the Career Paths and Revenue Sources of Male and Female Tennis Players in the International Sports Industry

16:40 Nguyen Lan Anh

How an Infrastructure Project Reshapes International Bargaining Power: The Case of Nord Stream 2