

PROGRAM

EELISA Scientific Student Competition 2025

12-13 JUNE 2025

Bucharest, Romania

EELISA Scientific Student Competition **12-13. 06. 2025**

COMITTEES

Patrons:

Sofia Costa D'Aguiar (EELISA Executive Director)
Dale A. Martin (President of EELISA)
István Szabó (Strategic Director, Council of the Hungarian SSA)
Hassan Charaf (Rector of Budapest University of Technology and Economics)
Gergely Zaránd (Vice-Rector for Scientific Affairs – BME)
András Nemeslaki (Vice-Rector for International Affairs – BME)
Mihnea Costoiu (Rector of Politehnica Bucharest)
Horia Iovu (Vice-Rector for Research and Doctoral studies – Politehnica Bucharest)
Horia Necula (Vice-Rector for International Relations – Politehnica Bucharest)

Scientific Committee:

Adrián Horváth (BME / FÖMTERV)	Behçet Uğur Töreyn (ITU)
Ádám Nyerges (BME)	Bence Ladóczki (BME)
Ágnes Urbin (BME)	Bertalan Pizág (BME)
Ágota G. Horváth (BME)	Bogdan Gheorghe (UPB)
Akif Yazici (ITU)	Claudiu Petrica Patrascu (UPB)
Alex Awada (UPB)	Csaba Fehér (BME)
Ana-Maria Albu (UPB)	Csaba Hős (BME)
Ana Maria Simion (UPB)	Dávid Dobák (Thyssenkrupp)
Ana Cornelia Gavriluta (UPB)	Edit Tomasovszky (BME)
Andrei Geanta (UPB)	Eduard Laurentiu (UPB)
Andreia Cucuruz (UPB)	Emine Görgül (ITU)
András Pataricza (BME)	Eszteella Balla (BME)
András Dombi (HUN-REN)	Eszter Fehér (BME)
Andrada Serafim (UPB)	Ferenc Hegedűs (BME)
Andrea Guerrini (SNS)	Florin Pop (UPB)
Anikó Grad-Gyenge (BME)	Gábor Hullám (BME)
Asli Can Karaca (ITU)	Ganesh Ramachandran (Brock)
Attila László Joó (BME)	Geanta Andrei Alexandru (UPB)
Attila Jenei (BME)	George Mihail Vlasceanu (UPB)
Balázs Havasi-Tóth (BME)	Gergely Kristóf (BME)

Gergely Sági (BME)
Gergely Szilveszter (BME)
Géza Németh (BME)
Gheorghe Valerian Croitorescu (UPB)
Gheorghe Bogdan (UPB)
György Hild (BME)
Hür Bersam Sidal (ITU)
Irina Mocanu (UPB)
Isabela Stancu (UPB)
István Biró (BME)
István Szabó (OTDT)
Iuliana Biru (UPB)
Jinat Ara (Uni Pannonia)
Juan Manuel Muñoz (UPM)
Máté Zöldy (BME)
Mariana Mirela Stanescu (UPB)
Miruna-Elena Iliuta (UPB)
Nadia Ionescu (UPB)
Noémi Csigéné Nagypál (BME)
Oszkár Semarath (BME)
Patrik Gádoros (BME)

Pál Varga (BME)
Péter Harth (BME)
Péter Nagy (BME)
Sándor Kiss (BME)
Sabrina State (UPB)
Serban Radu (UPB)
Stefan Ruseti (UPB)
Szabolcs Czifrus (BME)
Tamás Krámer (BME)
Tamás Kovácsházy (BME)
Tamás Mészáros (BME)
Teodor Turcanu (UPB)
Uğur Töreyn (ITU)
Viorel Nicolae (UPB)
Vladimir Slesar (UPB)
Volkan Müjdat Tiryaki (ITU)
Zoltán Bánhidi (BME)
Zoltán Micskei (BME)
Zoltán Víg (BME)
Zsuzsa Szalay (BME)

Organizing Committee:

Balázs Kövesdi – co-chairman (BME)
András Pataricza – co-chairman (BME)
Eszter Tóthné Mischl – secretary (BME)
Ildikó Király – secretary (BME)
László Gergely Vigh (BME)
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Máté Zöldy (BME)
Noémi Csigéné Nagypál (BME)
Dóra Máthé (BME)
Csaba Fehér (BME)
Bálint Molnár (BME)
Gergely Sági (BME)
Géza Németh (BME)

Diana Lăcrămioara Robescu – EELISA
coordinator (UPB)
Elena Iuliana Biru – co-chairman (UPB)
Luciana Mihai – Director of International
Relations (UPB)
Andrei Razvan Spînache (UPB)
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Cornelia Alecu (UPB)
Patrik Gádoros (BME)
Sándor Kiss (BME)
Márk Kovács (BME)
István Biró (BME)
Milán Mondok (BME)

Members of the EELISA 2 WP9

Inês Roquero da Costa Pinto (ECO)
Mustafa Sevimli (ENPC)
David Schkade (FAU)
Victoria Goldberg (FAU)
Hür Bersam Bolat (ITU)
Ilaria Ciofini (PSL)
Delphine Saint-Laurent (PSL)
Oscar-Eduardo Perez (PSL)
Simona Gallerani (SNS)
Darya Krasilnikov (SNS)
Andrea Mina (SSSA)
Rossella Raso (SSSA)

Sara Barsanti (SSSA)
Chiara Carbonaro (SSSA)
Maria Teresa Navigato (SSSA)
Silvia Alessi (SSSA)
Horia Iovu (UNSTPB)
Iuliana Biru (UNSTPB)
Juan Manuel Muñoz Guijosa (UPM)
Isabel Salgueiro (UPM)
Ana Horta Bellido (UPM)
Andreas Binkert (ZHAW)

EELISA Scientific Student Competition 12-13. 06. 2025

PROGRAM

Sessions	MS TEAMS	Location
12th JUNE 2025		
8:30 – 9:15 Registration		
9:15 – 9:45 Opening ceremony (speeches: Horia Iovu, István Szabó, Balázs Kövesdi, András Pataricza)	LINK	Radu Voinea Amphitheatre (Rectorate building, AN010, ground floor)
10:00 – 13:00 Parallel Sessions		
Social Sciences	LINK	Central Library, Room XX....
Smart Production and Sustainability	LINK	Central Library, Room XX....
Innovative Mobility	LINK	Central Library, Room XX....
AI applications	LINK	Central Library, Room XX...
Automation	LINK	Central Library, Room XX....
Applied Informatics	LINK	Central Library, Room XX....
13:00 – 14:00 Lunch		
14:00 – 17:00 Parallel Sessions		
Chemical and Bioengineering	LINK	Central Library, Room XX....
AI-generated Science Competition	LINK	Central Library, Room XX....
Architecture	LINK	Central Library, Room XX....
Life Sciences	LINK	Central Library, Room XX....
Applied Sciences	LINK	Central Library, Room XX....
Built Environment	LINK	Central Library, Room XX....
18:00 – 22.00 Social program for students – Dinner for jury members		
13th JUNE 2025		
9:00 – 12:00 Get to know UPB (On demand department programs – with preliminary registrations)		
12:00 – 13:30 Awarding ceremony (speeches: Mihnea Costoiu, Iuliana Biru)	LINK	Radu Voinea Amphitheatre (Rectorate building, AN010, ground floor)
13:30 – 14:30 Lunch		

SOCIAL SCIENCES

Chairman: István Szabó, Council of the Hungarian SSA (OTDT)

Jury members: Anikó Grad-Gyenge, Budapest University of Technology and Economics
Noémi Csigéné Nagypál, Budapest University of Technology and Economics
Edit Tomasovszky, Budapest University of Technology and Economics
Zoltán Víg, Budapest University of Technology and Economics

Secretary: Laura Miu, Politehnica Bucharest

10⁰⁰ VIKTOR VARGA : *A Theoretical Model for Bundling Games on Video Game Console Platforms*

10²⁰ NOÉ LEROY: *From a XIXth century index of Belgian medieval charters to a relational database*

10⁴⁰ DÓRA CSENGE CSONTOS: *Marketing strategies and challenges of the culinary elite in Budapest*

11⁰⁰ MÁRTON PLUZZIK: *Moral Questions of Autonomous Weapons*

11²⁰ HEENAKAUSER SHAIKH: *The Hype Machine: Hypersocialization*

Break

11⁵⁰ ADÉL LILLA KOVICS: *The legal regulation of virtual payments*

12¹⁰ EDUÁRD BOLOGA: *The Role and Application of Dynamic Ranking Systems in Football Leagues*

12²⁰ THEODOR-GABRIEL DAMIAN: *Who is going to be the next global superpower: is USA losing its title?*

12⁴⁰ ALESSANDRO VALFRÉ: *An exploration of Italian Local Labor Market Areas through Functional Data Analysis*

SMART PRODUCTION AND SUSTAINABILITY

Chairman: Nadia Ionescu, Politehnica Bucharest

Jury members: István Bíró, Budapest University of Technology and Economics
Eszteella Balla, Budapest University of Technology and Economics
Ana Cornelia Gavriluta, Politehnica Bucharest
Hür Bersam Sidal, Istanbul Technical University

Secretary: Maria Grapin, Politehnica Bucharest

10⁰⁰ CATALIN CHELMUS, TOMA VALENTIN, GHEORMA CRISTIAN-TUDOR, STEFAN URSACHE, POPESCU ANDREEA: *Analysis and optimization of aerodynamic performance for an experimental sounding rocket*

10²⁰ ALBA GARCÍA RODRÍGUEZ: *Analysis of the Management of Public Energy Advisory Offices*

10⁴⁰ LINCOLN RODNEY MWANGI: *Particle reinforced foams manufactured via powder metallurgical method*

11⁰⁰ LAURA MAILAT: *Pomegranate Peel Bioplastics: Transforming Food Waste into Eco-Friendly Materials for Product Design*

Break

11⁴⁰ DOANA CRISTIAN-ALEXANDRU: *Present trends in lithium-ion battery recycling?*

12⁰⁰ ELENA MADALINA DOBRE: *Study on the integration of the kinova gen3 robot into a collaborative work process*

12²⁰ ATSEGIÑE SANTAMARIA: *Sustainability in Action: A Case Study on Service-Learning through PLA Recycling and Environmental Education*

INNOVATIVE MOBILITY

Chairman: Máté Zöldy, Budapest University of Technology and Economics

Jury members: Viorel Nicolae, Politehnica Bucharest
Ádám Nyerges, Budapest University of Technology and Economics
Péter Harth, Budapest University of Technology and Economics

Secretary: Daria Grigori, Politehnica Bucharest

10⁰⁰ BARBU GABRIEL IUSTIN, CHIRIȚĂ ANDREI IONUȚ: *A.I. Powered Traffic Lights Control Systems*

10²⁰ ÁLVARO COBO GONZÁLEZ: *Active Flutter Suppression in Multi-Actuated Wings: Preliminary Flight Control System Design*

10⁴⁰ VÍCTOR MARTÍN: *Comparative Analysis of the Traditional Airline Model: A Case Study of Iberia and Turkish Airlines*

11⁰⁰ APOSTOL ANA MARIA: *Design and construction of an experimental model for loading and unloading containers from cargo ships*

11²⁰ STANCU BOGDAN, ȘTEFAN MIHAI: *F1-Where engineering meets perfection*

Break

11⁵⁰ CRISTINA-MIHAELA FLEACA, RADU BUJDOIU: *Logistic process improvement in automotive industry using quality tools*

12¹⁰ CSANÁD NEUKUM: *Motion analysis of Micro Mobility Devices in the context of autonomous road vehicles*

12³⁰ TANASE ANDREEA-LUIZA, PAUL CRETU: *Schlieren-based analysis of supersonic flow in an aerospike nozzle demonstration*

12⁵⁰ BÁLINT HERBERT, BERNADETT GAÁL: *The connection between the decoupling point and sustainability in production*

AI TECHNOLOGIES

Chairman: Géza Németh, Budapest University of Technology and Economics

Jury members: Gábor Hullám, Budapest University of Technology and Economics
Akif Yazici, Istanbul Technical University
Irina Mocanu, Politehnica Bucharest
Serban Radu, Politehnica Bucharest

Secretary: Elena Christen CREANGĂ, Politehnica Bucharest

10⁰⁰ PRAHOVEANU ANDREI – CRISTIAN: *Artificial Intelligence in Chaturaji chess*

10²⁰ BEATRICE-IULIANA UTA: *Conversational Agents in Education: Case Study for a Chatbot in an Engineering Faculty Website*

10⁴⁰ CARLOS POLVORINOS-FERNÁNDEZ, MARÍA CENTENO CERRATO:
Explainable Artificial Intelligence for motor symptoms assessment in Parkinson's Disease patients using Smartwatches

11⁰⁰ NUH FURKAN ERTURK, ROI BACHYNSKYI: *Federated Language Model for Sign-to-Text Translation*

Break

11⁴⁰ BÉLA BÁLINT: *Machine learning models and generative AI for automated real estate valuation in Hungary*

12⁰⁰ NICOLA ANDREI GEORGE: *Task Understanding Questions for LLM*

12²⁰ GONZALEZ Y GONZALEZ, SARAI: *Transformer-Based Articulatory Representation Learning for Speech Synthesis from Real-Time MRI*

AUTOMATION

Chairman: Bogdan Gheorghe, Politehnica Bucharest

Jury members: Ágnes Urbin, Budapest University of Technology and Economics
Péter Nagy, Budapest University of Technology and Economics
Tamás Kovácsházy, Budapest University of Technology and Economics
Betalan Pizág, Budapest University of Technology and Economics

Secretary: Eduard-Dimitrie-Alexandru Vulpe, Politehnica Bucharest

10⁰⁰ **VANDA ORSOLYA NAGY:** *Application possibilities of sampling-induced harmonics in haptic technology*

10²⁰ **PETRIIA IULIAN-NICOLAE, DANIEL-IOAN MIRCUCU:** *Automation of the cooling system for HPGe detector based gamma beam diagnostic system*

10⁴⁰ **STEFAN CHIVULESCU:** *Capillary Action Modeling: Convergence of Lagrangian and Eulerian Methods*

11⁰⁰ **PATRIK PESTI, MÁRTON BERTY:** *Modelling of self-collapses in discrete element towers*

Break

11⁴⁰ **MÁRK STOJANOVIC:** *Investigation of the human motion planning using inverse kinematics method*

12⁰⁰ **CSANÁD BUDAI, TAMÁS SZÉLES:** *Deep reinforcement learning methods for the motion control design of the FITENTH electric vehicle: bridging the sim-to-real gap*

12²⁰ **MIHAI RADOVICI, ISAC ALEXANDRU, MOGDA IONUȚ-LIVIU, CALIȚA ȘTEFAN-GEORGE, LISITA DANIEL:** *Optimization of analog transmission in experimental sounding rockets*

12⁴⁰ **KINGA ANDREA KOVÁCS:** *Quantitative comparison of vortex identification methods with applications*

APPLIED INFORMATICS

Chairman: Zoltán Micskei, Budapest University of Technology and Economics

Jury members: Volkan Müjdat Tiryaki, Istanbul Technical University

Miruna Iliuta, Politehnica Bucharest

Ana Maria Simon, Politehnica Bucharest

Secretary: Nicolae-Alexandru Guzu, Politehnica Bucharest

10⁰⁰ KINAN TUFFAHA: *A Comparative Study of Scalability in Abraxas and ParBFT Consensus Protocols*

10²⁰ MEGGIE KRYMOWSKI: *Data-Driven Reduced Order Models for Power Density Prediction in Spent Fuel Experiments*

10⁴⁰ CSANÁD TELBISZ, LEVENTE BAJCZI: *Efficient Certifiable Verification of Concurrent Software*

11⁰⁰ RUXANDRA-MIHAELA CEAUSU: *E-Learning Platforms on Applied Mathematics and Gamification*

11²⁰ ALVARO FONTECHA DEL SER: *EU Contract Hub, an Integrated Search and Analysis Tool for Public Procurement Contracts within the European Union*

Break

11⁵⁰ NGUYEN HOANG TUNG: *Low-Cost Linux grandmaster clock*

12¹⁰ YINGLEI HAN: *From data collection automation to sequence analysis: a general methodology enabling data analysis of corporation careers*

12³⁰ BERAY NIL ATABEY: *Mapping Scientific Influence: A Multi-Dimensional Bibliometric and Network Analysis of Computer Science Research*

12⁵⁰ COSTEA VALENTIN-CONSTANTIN: *Revolut vs 6G: An Overview of the Digital Revolution*

CHEMICAL & BIOENGINEERING

Chairman: Iuliana Biru, Politehnica Bucharest

Jury members: Csaba Fehér, Budapest University of Technology and Economics
Claudiu Petrica Patrascu, Politehnica Bucharest
Ana-Maria Albu, Politehnica Bucharest
Asli Can Karaca, Istanbul Technical University

Secretary: Roxana Lavric, Politehnica Bucharest

14⁰⁰ NIȚU OANA MARIA: *A Deep Dive into Nature's Glow: The Science and Wonders of Bioluminescence*

14²⁰ STĂNIȘTEANU MIHAI-LAURENȚIU: *A novel method for estimating the relaxation time of dilute polymer solutions*

14⁴⁰ ZSOLT BALÁZS KALLAI: *Development of potentiometric microelectrodes for the determination of bacterial contamination*

15⁰⁰ ANNA SZENTIRMAI: *Oxidative stress-induced cell death pathways in tumor cells*

15²⁰ SACHIN: *Plasmonic gold and silver particles on polymeric carbon nitride: synthesis, characterization, carrier dynamics and photoelectrocatalytic alkaline oxygen evolution*

Break

16⁰⁰ MARCO HOFMANN: *Scalable production of vpx containing lentiviral vectors in suspension culture for gene engineering of primary monocytes*

16²⁰ BENCE KÉPES: *Semi-continuous, selective, hydrothermal decomposition of an epoxy resin*

16⁴⁰ ANDREI ALINA-FRANCESCA, PUNGULESCU TUDOR-MATEI: *Smart Hydrogel Sensor: A Biomimetic Approach to Tactile Sensing*

17⁰⁰ BENCE SZABÓ: *Synthesis and photochemical characterization of photoactivatable nerve growth factor mimetic compounds*

17²⁰ RADU CRISTIAN: *Biopolymer composite as green corrosion inhibitor for copper substrates in aggressive solutions*

AI-GENERATED SCIENCE COMPETITION

Chairman: Géza Németh, Budapest University of Technology and Economics

Jury members: Stefan Ruseti, Politehnica Bucharest
Florin Pop, Politehnica Bucharest
Pál Varga, Budapest University of Technology and Economics
Irina Mocanu, Politehnica Bucharest
Alex Awada, Politehnica Bucharest

Secretary: Cristian Marin, Politehnica Bucharest

14⁰⁰ PATRIK PESTI, BOTOND BIEBEL: *AI-Enhanced Causal Discovery and Prediction Across Medical and Environmental Domains*

14²⁰ ALEXANDRU-FLORIN COSTEA: *Digitalization of the Banking System And Cybersecurity*

14⁴⁰ KÍRA DIÁNA KOVÁCS, JUDIT HERMÁN: *Evaluating Large Language Models for Gender Bias in Academic Knowledge Production*

Break

15⁰⁰ JANKA BALOGH: *Legal Issues of AI (Artificial Intelligence) in Visual Arts and Image Creation*

15⁴⁰ JUDIT DIVIN: *Spatiotemporal analysis of running motion in 2 and 3 dimensions*

16⁰⁰ ANDRÁS GERGELY DEÉ-LUKÁCS: *Validation of LLM-Generated Content with Impact Assessment and Logic Reasoning*

ARCHITECTURE

Chairman: Gergely Sági, Budapest University of Technology and Economics

Jury members: György Hild, Budapest University of Technology and Economics
Emine Görgül, Istanbul Technical University

Secretary: Alexandru Gogoasa, Politehnica Bucharest

14⁰⁰ ÖZLEM SERTBAŞ: *An event-driven architecture in real estate development*

14²⁰ NIKOLETT GERASZIN: *Analysis of spatial patterns and actual space use - Combined application of Space Syntax and Artificial Intelligence*

14⁴⁰ ÁDÁM PIRITY: *Architectural experiments with prefabricated panel technology in Northern Hungary in the 1970s and 1980s*

15⁰⁰ RÉKA PODMANICZKY: *From Milan to Mexico: the architectural heritage of Géza Maróti*

Break

15⁴⁰ LUCÍA MAGAÑA MORÁN: *New Pedestrian cities. Analysis of the transformation of urban space in sustainable mobility projects*

16⁰⁰ INCI ÇELIKBAŞ: *Retrofitting of Konya's Traditional Housing in the Scope of Building Energy Efficiency: A Case of Sille House*

LIFE SCIENCES

Chairman: Andreia Cucuruz, Politehnica Bucharest

Jury members: Andrada Serafim, Politehnica Bucharest
George Vlasceanu, Politehnica Bucharest
Sabrina State, Politehnica Bucharest
Szilveszter Gergely, Budapest University of Technology and Economics

Secretary: Andrei Călin BĂLAN, Politehnica Bucharest

14⁰⁰ JOHN HERNANDEZ: *Design framework for innovating on accessible and inclusive digital solutions for breast cancer care in Colombia*

14²⁰ PEDRO GARCÍA GÓMEZ: *Development and implementation of a system for the characterization of thyroid nodules using artificial intelligence*

14⁴⁰ ANDREEA IOANA DINU: *Harnessing dopamine or sericin in hydrogels: a comparative approach to improving cell adhesion and wound healing*

15⁰⁰ THEODOR-GABRIEL DAMIAN: *Health economics: a global review and prospection*

Break

15⁴⁰ BADEA BIANCA-MAGDALENA: *Mobile mechatronic system for the rehabilitation and assistance of the elbow joint*

16⁰⁰ MIHAI PADURARU: *Self-healing guar gum hydrogel for wound healing*

16²⁰ NUOFAN GAO: *Uncovering climate-associated adaptation in African crop genomes*

16⁴⁰ LIDIA TROMBELLO: *Disentangling the prognostic landscape of chronic myeloid leukemia: from epigenetic regulators to inflammatory and immune markers*

APPLIED SCIENCES

Chairman: Sándor Kiss, Budapest University of Technology and Economics

Jury members: Vladimir Slesar, Politehnica Bucharest
Teodor Turcanu, Politehnica Bucharest
Andrei Geanta, Politehnica Bucharest
Patrik Gádoros, Budapest University of Technology and Economics
Andrea Guerrini, Scuola Normale Superiore

Secretary: Istrati Melania-Beatrice, Politehnica Bucharest

14⁰⁰ JOAO GABRIEL GOMES DE OLIVEIRA: *An accurate and stable nonhydrostatic ocean model for stratified flows*

14²⁰ CARMEN-MIHAELA TUDOROIU, PODOLEANU MINODORA-ELENA, EMIL-TUDOR PODOLEANU: *Applications of meromorphic functions in circuit theory and dynamical systems analysis*

14⁴⁰ IOANA RASUCEANU: *Capillary flows of two immiscible liquids with a separating air bubble*

15⁰⁰ RENÁTA VIRÁG: *Comparative Study of FLUKA and MCNP Simulations for Radiation Source Shielding and Dose Rate Estimation*

15²⁰ ANTAL VIRÁG ANNA, LENKE DOMOKOS: *Geohistorical logarithmic spirals in the lobby of the BME Building K*

Break

16⁰⁰ DÁVID ATTILA KÓTI: *Investigation of current-phase relation using microwave measurement techniques*

16²⁰ VICTORIA-ELENA PLOPEANU, MANEA NICOLETA-CRISTIANA: *Liquid displacement and droplet formation from submerged capillary tubes*

16⁴⁰ LEA AJZENBERGER: *Numerical Investigation of Quantum Kagome Ice*

17⁰⁰ GEANTĂ GRIGORIE, BALAN RADU, DUMITRACHE IUSTIN-FLORIN: *Solving physical problems involving PDEs through Conformal Mappings*

17²⁰ GREGORIO JACA: *The size evolution of pebbles in a particle-fluid system*

BUILT ENVIRONMENT

Chairman: Juan Manuel Muñoz, Universidad Politécnica de Madrid

Jury members: Adrián Horváth, Budapest University of Technology and Economics
Tamás Krámer, Budapest University of Technology and Economics
Attila László Joó, Budapest University of Technology and Economics

Secretary: Mihaela-Oana-Petronela Oprea, Politehnica Bucharest

14⁰⁰ CINTYA VILLACORTA RANERA: *Analysis of Barriers to Reclaimed Water Reuse in Spanish Agriculture: A Comprehensive Review and Implementation Prospects*

14²⁰ DARIO FERNÁNDEZ VALIENTE: *Analysis of the Profitability and Payback Period of Investment in Rainwater Recycling and Greywater Reuse Systems in Building Construction*

14⁴⁰ MIGUEL UREÑA PLIEGO: *Application of geospatial techniques and machine learning for the automation of behavioural modifiers of seismic vulnerability*

15⁰⁰ ADÉL OLOSZ: *Dynamic test loading of pedestrian bridges*

15²⁰ DÁNIEL PONGRÁCZ: *Effect of vertical gradients on free-air gravity anomalies*

Break

16⁰⁰ LARISA GEORGIANA UNGUREANU, SIMION TEODORA, BACALU ANTONIA: *Experimental study of recycled textile-based insulation*

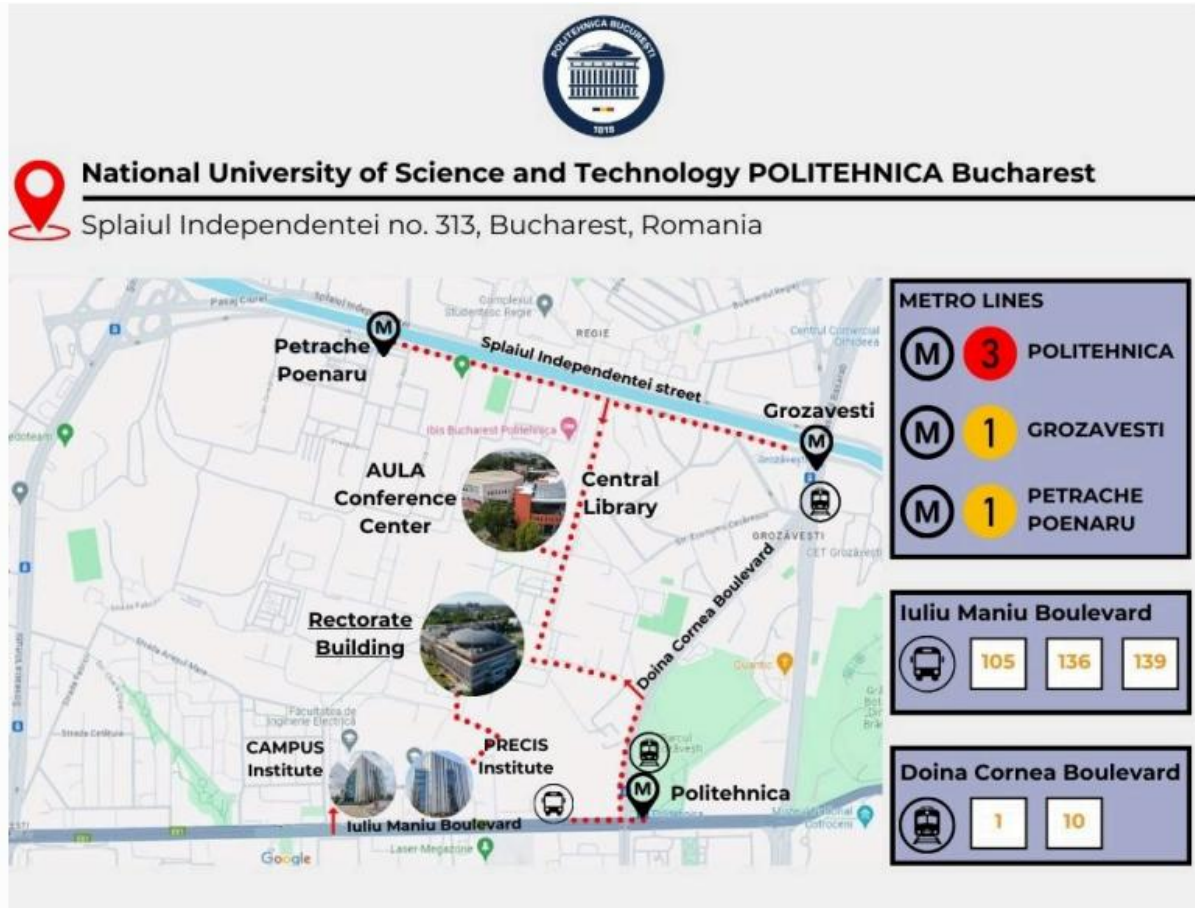
16²⁰ FANNI GAZDA: *Investigation of the water conditions in the Buda Castle Cave*
Investigation of the water conditions in the Buda Castle Cave

16⁴⁰ EMESE NYIRI: *Morphodynamic study of the regulation of the Middle Tisza in Hungary*

17⁰⁰ NABURUK VICTORIA CHEROTICH: *Optimization of reusable structural elements from material banks for sustainable building construction*

17²⁰ BOTOND TÓTH, BARNA GULYÁS, MERSE PÉTER GYEPES: *Possibilities and Risks of Interior Insulation for Historic Apartment Buildings*

CAMPUS MAP



Cover designed by Dóra Máthé (BME)