



“Gheorghe Asachi” Technical University of Iasi, Romania

9TH INTERNATIONAL CONFERENCE OF THE DOCTORAL SCHOOL

CONFERENCE PROGRAM

MAY 13–15, 2026
IASI, ROMANIA

**Excellence in Doctoral Studies
through Innovation, Convergence
and Interdisciplinarity**



www.conferinta-csd.tuiasi.ro



**Welcome to CSD2026,
wishing you a successful
conference!**



"Gheorghe Asachi" Technical University of Iasi, Romania
9th International Conference of the Doctoral School
May 13 - 15, 2026, Iași, România





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9th International Conference of the Doctoral School

"Gheorghe Asachi" Technical University of Iasi

*Excellence in Doctoral Studies through Innovation,
Convergence and Interdisciplinarity*

May 13, 2026 -European Doctoral Day- first edition

CONFERENCE PROGRAMME

May 13 – 15, 2026

IAȘI, ROMÂNIA



Organizers

- "Gheorghe Asachi" Technical University of Iasi, Romania
- Council for Doctoral University Studies, CSUD
- Council of Doctoral School, CSD

Partner:

- "Gheorghe Asachi" University Foundation, Iasi, Romania

Conference Sections

- **Section 1.** Interdisciplinary studies (**held onsite and includes papers from all doctoral fields**)
- **Section 2.** Computers and information technology; Systems engineering; Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology (**held online**)
- **Section 3.** Chemistry; Chemical engineering; Environmental engineering (**held online**)
- **Section 4.** Civil engineering and installations (**held online**)
- **Section 5.** Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management (**held online**)



Organizer's Message

Dear PhD Students,
Dear Colleagues and Guests,
Dear Participants,

The 9th edition of the International Conference of the Doctoral School at the "Gheorghe Asachi" Technical University of Iasi (TUIASI) is dedicated to all PhD students from Technical Universities from Romania included in the Romanian Alliance of Universities of Science and Technology (ARUST), but not only. The goal is to share their research, to exchange ideas, and to make new connections. The conference is a great chance for PhD students to refine their research methods, encourage interdisciplinary teamwork, and keep growing. For three days, there will be panel sessions where PhD students can talk about and discuss their research papers. The schedule also includes plenary conferences held by prominent professors from universities closely associated with TUIASI through collaborations.

This event aims to bring together different presentations covering important issues in the TUIASI thirteen doctoral fields, such as *Chemistry, Computers and Information Technology, Chemical Engineering, Civil Engineering, Electrical Engineering, Electronic Engineering, Telecommunications, Information Technologies, Energetic Engineering, Industrial Engineering, Materials Engineering, Mechanical Engineering, Environmental Engineering, Systems Engineering, and Engineering and Management.*

By connecting these scientific fields, encouraging innovation through teamwork, and focusing on international collaboration, the conference acts as a meeting point for new ideas and advancements in science. This approach ensures that doctoral programs provide PhD students with the right skills and knowledge for jobs in social institutions, contributing to a sustainable economy. For PhD students in the earlier stages of doctoral studies, the conference provides an opportunity to train for their first contributions to a certain scientific field, while for the PhD students in later stages, the communications held during conference can be seen as a scientific step towards the jobs market. This connects with the university's commitment to making courses more international, increasing mobility for students and staff, and promoting understanding between different cultures. It also ties in with the university's role as a partner in the European "Ingenium" project, which involves ten European institutions of higher education working together to improve study programs using digital tools shared within the INGENIUM Alliance.

Together, let's bridge scientific fields, foster innovation through collaboration, and embrace the spirit of internationalization. Join us in creating an academic intersection where new ideas flourish and progress takes center stage. We look forward to your active participation and the joint impact we can make at this conference.

Please visit the conference website at: <https://conferinta-csd.tuiasi.ro/>

Welcome to CSD2026, wishing you a successful conference!

Honorary President,
Professor **Dan CAȘCAVAL**
Rector TUIASI



Conference committees

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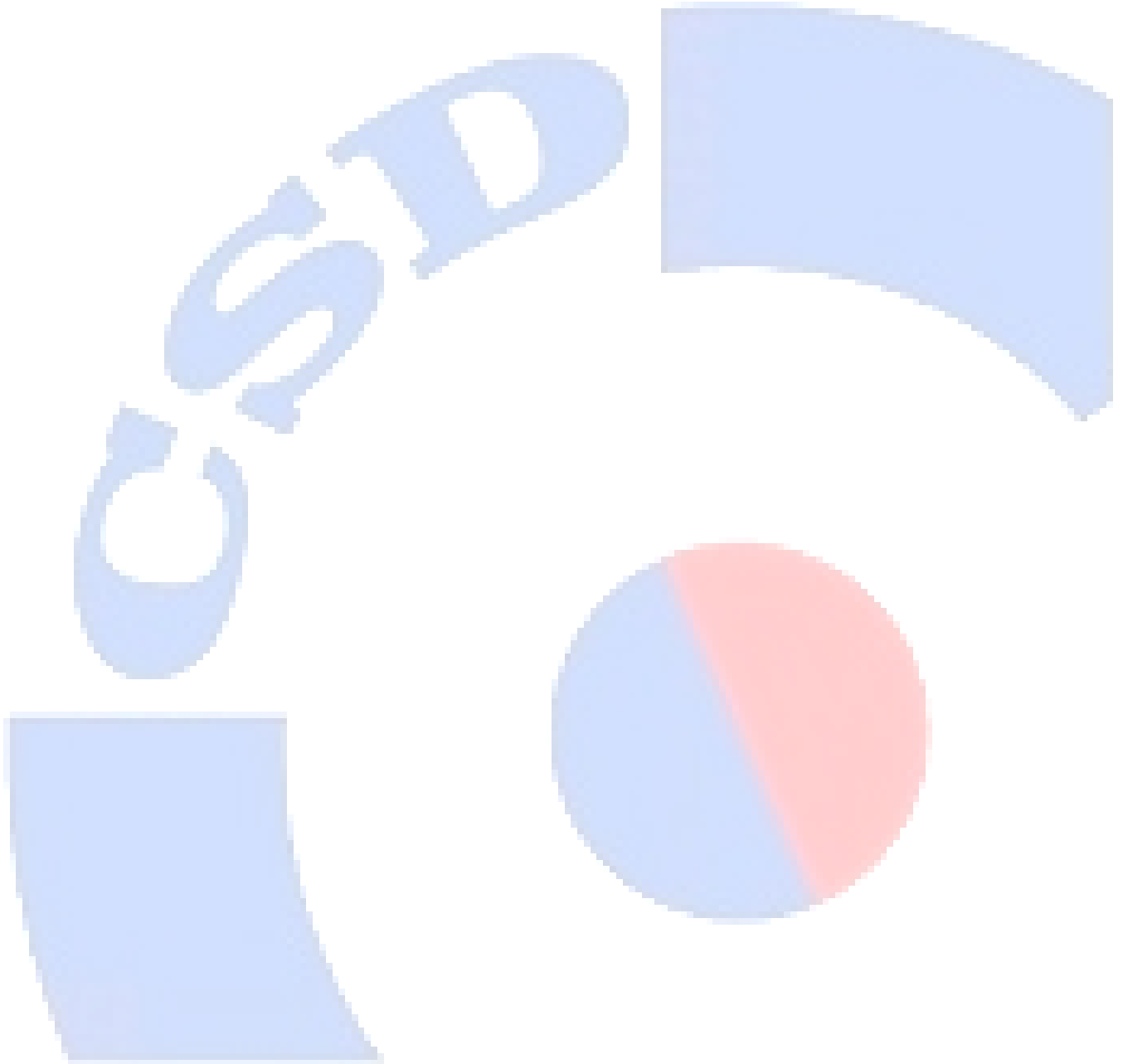
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General information

About our university

"Gheorghe Asachi" Technical University of Iasi is one of the most prestigious universities in Romania, being classified as an advanced research and education university (according to the Order of Ministry of Education and Research, MECS nr. 5262/2011), whose mission is to carry out specific activities of creation, innovative capitalization of knowledge and its transfer to society in the fundamental fields of engineering sciences, architecture and urbanism, as well as in interdisciplinary and complementary fields, in the local community, at regional, national and international levels.

"Gheorghe Asachi" Technical University of Iasi has the oldest tradition in engineering education in Romania, initiated by Gheorghe Asachi, a representative of the Romanian Enlightenment, and established within the Greek Academy in Iasi (Royal Academy) on November 15, 1813, by the decree signed by Scarlat Calimachi, the ruler of Moldova at that time. This school can be considered the nucleus of higher technical education in Moldova, continuing education between 1834-1847 at the Mihăilean Academy and later at the University of Iasi in the School of Industrial Electricity (since 1910), the Electrotechnical Institute (1912) and the Department of Technological Chemistry (since 1911).

On November 7, 1912, the Faculty of Sciences of the University of Iasi was transformed into an independent department of higher education for teaching electrical engineering, applied chemistry and agricultural sciences. This event represents the "birth certificate" of what later became the Polytechnic Institute of Iasi ("Gheorghe Asachi" Technical University of Iasi today), respectively of the Faculty of Electrical Engineering, Energy and Applied Informatics and the Faculty of Chemical Engineering and Environment Protection.

A crucial moment in the history of our university is the Decision no. 205.660/ 03.12.1937 of the Ministry of National Education, when, the technical higher education is taken out from the aegis of the University of Iasi by the establishment of the „Gheorghe Asachi” Polytechnic School of Iași, as a distinct institution of engineering higher education, the only higher education institution authorized to grant from that date the title of engineer. The University began its activity on October 1, 1938, within three faculties: Industrial Chemistry, Electrical Engineering and Agricultural Sciences, of which the first two were based in Iasi and the third in Chisinau. The first diplomas were issued in 1940.

Through the education reform of 1948, the "Gheorghe Asachi" Polytechnic Institute was established in Iași, with four faculties and ten specializations: Industrial Chemistry (mineral chemistry, leather), Civil Engineering, Electrical Engineering, Mechanics (thermodynamic engineering, hydrotechnics, machine building, aero-naval engineering) with a duration of studies of five years. The Polytechnic Institute of Iași functioned until 1990 with 6 faculties and many newly created specializations. In 1990, four new faculties were established, coming from the faculties of Electrical Engineering and Mechanics.

In 1993 the name of "Polytechnic Institute of Iasi" was replaced by "Gheorghe Asachi" Technical University of Iasi (TUIASI). In 2004 the Architecture department within the Faculty of Constructions and Installations became the "G.M. Cantacuzino" Faculty of Architecture and since then 11 faculties operate within TUIASI.

Today, TUIASI develops programs for undergraduate, master, doctoral, postdoctoral studies and scientific research in interdisciplinary research areas, out of which 10 areas were classified in category A, according to Law 1/2011 and HG 789/2011. The doctoral activity is organized within an interdisciplinary doctoral school including 13 doctoral fields established according to national and international research priority areas.



About the Conference program

The 9th edition of the International Conference of the Doctoral School of IOSUD "Gheorghe Asachi" Technical University of Iasi (CSD2025), which is organized under the generic "**Excellence in Doctoral Studies through Innovation, Convergence and Interdisciplinarity**" is programmed during May 13-15, 2026 in hybrid format, having 4 sections as videoconferences and an interdisciplinary section, held on-site, which includes papers from all doctoral fields (a fee is not charged).

During the event, plenary conferences are scheduled, lasting 40 minutes each (including discussions), as well as oral presentations lasting 15 minutes each (including discussions). The papers received in the frame of five planned sections will be held on each conference day in parallel sessions, each sessions being organized in blocks, separated by coffee breaks or lunch, coordinated by a chairperson.

The on-line sections of the Conference will be held on the Google Meet platform, at links which will be communicated to the attendees and guests before conference start, on the conference website.

VERY IMPORTANT

The authors who will hold oral presentations in both onsite and online format are invited to log in at the beginning of the session in which the presentation is scheduled in order to avoid unexpected breaks during the session.

All oral presentations will be given in English.

A PowerPoint support for your presentation adequate for maximum **15 minutes** would serve as visual aids that can enhance audience engagement and ensure a better understanding of your speech!

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FIRST SIGHT CSD2026 CONFERENCE PROGRAM

Wednesday, 13 May, 2026 -European Doctoral Day- first edition

Time	Event
10.00-11.00	Opening ceremony (online)
11.10-11.50	Plenary Conference 1
11.50-12.00	Coffee Break
12.00-13.30	Parallel Sessions On-line
13.30-14.30	Lunch
14.30-16.15	Parallel Sessions On-line
16.15-16.30	Coffee Break
16.30-18.30	Parallel Sessions On-line

Thursday, 14 May, 2026

Time	Event
9.30-10.10	Plenary Conference 2
10.10-10.50	Plenary Conference 3
10.50-11.15	Coffee Break
11.15-13.15	Parallel Sessions On-line
13.15-14.00	Lunch
14.00-15.45	Parallel Sessions On-line



15.45-16.00	Coffee Break
16.00-17.30	Parallel Sessions On-line

Friday, 15 May, 2026

Time	Event
9.30-10.10	Plenary Conference 4
10.10-10.50	Plenary Conference 5
10.50-11.30	Plenary Conference 6
11.30-11.45	Coffee Break
11.45-13.45	Session 1 On-site
13.45-14.30	Lunch
14.30-16.15	Session 2 On-site
16.30	Closing ceremony (on-site/on-line)



GENERAL CSD2026 CONFERENCE PROGRAM

Wednesday, 13 May, 2026 -European Doctoral Day- first edition

Time	Event				
10.00-11.00	Opening ceremony (Online)				
Link	https://meet.google.com/jka-wvwa-vgg				
11.10-11.50	Plenary Conference 1: Prof. dr. Karsten BERNIS (Online)				
Link	HTTPS://MEET.GOOGLE.COM/HDQ-OXJV-EWT				
11.50-12.00	Coffee break				
12.00-13.30	Parallel Session 1.1 Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management	Parallel Session 2.1 Section 3. Chemistry; Chemical engineering ; Environmental engineering	Parallel Session 3.1 Section 3. Chemistry; Chemical engineering ; Environmental engineering	Parallel Session 4.1 Section 3. Chemistry; Chemical engineering ; Environmental engineering	
	Link	https://meet.google.com/bqu-oeyj-ebv	https://meet.google.com/gmd-wcic-vuy	https://meet.google.com/quf-nqgn-pkq	https://meet.google.com/tpm-ippb-pyy
13.30-14.30	Lunch				
14.30-16.15	Parallel Session 1.2 Section 3. Chemistry; Chemical engineering ; Environmental engineering	Parallel Session 2.2 Section 2. Computers and information technology; Systems engineering Energy engineering; Electronic engineering, telecommunications	Parallel Session 3.2 Section 2. Computers and information technology; Systems engineering Electrical engineering ; Energy engineering;	Parallel Session 4.2 Section 5. Mechanical engineering; Industrial engineering; Materials engineering ; Engineering and management	



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		and information technology	Electronic engineering, telecommunications and information technology	
Link	https://meet.google.com/bdq-zjqx-kyu	https://meet.google.com/eam-nwpy-mzn	https://meet.google.com/xqr-xcbu-apb	https://meet.google.com/avs-dbam-krs

16.15-16.30	Coffee Break			
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16.30-18.30	Parallel Session 1.3 Section 4. Civil engineering and installations	Parallel Session 2.3 Section 3. Chemistry; Chemical engineering; Environmental engineering	Parallel Session 3.3 Section 4. Civil engineering and installations	Parallel Session 4.3 Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management
Link	https://meet.google.com/hxy-ozdc-xsw	https://meet.google.com/yjb-fudb-yuy	https://meet.google.com/ejp-rkxu-jee	https://meet.google.com/tav-pqki-emd



Thursday, 14 May, 2026

Time	Event
9.30-10.10	Plenary Conference 2: Prof. dr. Carmen MAFTEI (Online)
10.10-10.50	Plenary Conference 3: Prof. dr. Vladan KONCAR (Online)
Link	https://meet.google.com/xhy-qbkv-jke

10.50-11.15	Coffee break
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11.15-13.15	Parallel Session 1.4 Section 4. Civil engineering and installations	Parallel Session 2.4 Section 2. Computers and information technology; Systems engineering Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology Time 10.00-11.30	Parallel Session 3.4 Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management	Parallel Session 4.4 Section 2. Computers and information technology; Systems engineering Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology
	Link	https://meet.google.com/oij-rfto-svq	https://meet.google.com/dob-tqzr-kuj	https://meet.google.com/sns-ewus-fjd

13.15-14.00	Lunch
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14.00-15.45	Parallel Session 1.5 Section 4. Civil engineering and installations	Parallel Session 2.5 Section 2. Computers and information technology; Systems engineering; Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology Time 11.45-13.30	Parallel Session 3.5 Section 2. Computers and information technology; Systems engineering; Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology Time 13.45-15.15	Parallel Session 4.5 Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management



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Link	https://meet.google.com/muc-rrpv-nxg	https://meet.google.com/zky-hemq-ofz	https://meet.google.com/ufe-oexr-xew	https://meet.google.com/jys-shjt-vvk
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15.45-16.00	Coffee break
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16.00-17.45	Online Parallel Session 1.6 Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management	Online Parallel Session 2.6 Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management	Online Parallel Session 3.6 Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management
	Link	https://meet.google.com/onr-orpg-mzo	https://meet.google.com/smy-uwea-okt



Friday, 15 May, 2026

Time	Event
9.30-10.10	Plenary Conference 4: Prof. dr. Christian GHIAUS (Online)
10.10-10.50	Plenary Conference 5: Prof. dr. Joaquín SILVESTRE-ALBERO (Online)
10.50-11.30	Plenary Conference 6: Prof. dr. Gianfranco CHICCO (Online)
Link	https://meet.google.com/yug-ziuy-fxe
11.30-11.45	Coffee break
11.45-13.45	Session 1.7 On-site
13.45-14.30	Lunch
14.30-16.15	Session 2.7 On-site
16.30	Closing ceremony (on-site/on-line)
LINK:	https://meet.google.com/xzs-nexp-nvk



CSD2026 DETAILED CONFERENCE PROGRAM

Wednesday, 13 May, 2026 -European Doctoral Day- first edition

Time	Event	
10.00-11.00	Opening ceremony (Online)	
	Rector of the "Gheorghe Asachi" Technical University of Iasi, Romania Honorary President of CSD2026	
	Rector of the National University of Science and Technology POLITEHNICA Bucharest	
	Rector of the "Politehnica" University Timisoara	
	Director of the Council for University Doctoral Studies "Gheorghe Asachi" Technical University of Iasi, Romania - Co-President of CSD2026	
	Director of the Council for University Doctoral Studies National University of Science and Technology POLITEHNICA Bucharest	
	Director of the Council for University Doctoral Studies "Politehnica" University Timisoara	
	Director of the Doctoral School "Gheorghe Asachi" Technical University of Iasi, Romania - President of CSD2026	
	Director of the Doctoral School in Energy Engineering - National University of Science and Technology POLITEHNICA Bucharest	
	Director of the Doctoral School "Politehnica" University Timisoara	
Link	https://meet.google.com/jka-wwwa-vgg	
PLENARY SESSION 1 (Online): Thursday, 13 May, 11.10-11.50 Chairperson: Prof. dr. Ioan Doroftei		
11.10-11.50	Control Concepts for Autonomous of Offroad Vehicles	Prof.dr. KARSTEN BERNIS Robotics Research Lab, Department of Computer Science, University of Kaiserslautern, Germany
Link	HTTPS://MEET.GOOGLE.COM/HDQ-0XJV-EWT	
11.50-12.00	Coffee break	



Online Parallel Session 1.1: Wednesday, 13 May, 12.00-13.45

Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management

Chairperson: Prof. dr. Marius Pîslaru

<https://meet.google.com/bqu-oejy-ebj>

Time	Oral presentation	Authors
12.00-12.15	THE RELATIONSHIP BETWEEN DIGITAL MARKETING AND FIRM PERFORMANCE: A SYSTEMATIC LITERATURE REVIEW OF ROMANIAN STUDIES	Sebastian Bîrzu , Silvia Avasilcăi "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
12.15-12.30	CIRCULAR ECONOMY PRACTICES WITHIN INDUSTRY 5.0 ORGANIZATIONAL MANAGEMENT	Petrina-Delia Vagiuc , Ionuț-Viorel Herghiligiu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
12.30-12.45	THE SUSTAINABILITY OF DIGITALIZATION MANAGEMENT IN HIGHER EDUCATION INSTITUTIONS	Andrei Mihai , Ionuț-Viorel Herghiligiu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
12.45-13.00	A CONCEPTUAL FRAMEWORK FOR IDENTIFYING BEST MANAGEMENT PRACTICES IN SMART MAINTENANCE	Loredana Nicoleta Ciurariu , Ion Verzea, Adrian Vilcu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
13.00-13.15	CYBERSECURITY CHALLENGES IN HEALTHCARE ORGANIZATIONS. THE ROLE OF SCIENTIFIC RESEARCH AND ARTIFICIAL INTELLIGENCE IN STRENGTHENING INSTITUTIONAL RESILIENCE	Cristian Vartolomei , Silvia Avasilcăi "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
13.15-13.30	RISK MANAGEMENT IN GLOBAL TRADE SYSTEMS	Mihai-Doru Buliga , Ion Verzea "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
13.30-13.45	INNOVATION: ASSESSING THE VARIABLES INFLUENCING BUSSINESS PROCESS AND PRODUCT INNOVATION	Andreea-Gabriela Grădinaru , Silvia Avasilcăi "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
13.45-14.30	Lunch	



Online Parallel Session 2.1: Wednesday, 13 May, 12.00-13.30

Section 3. Chemistry; Chemical engineering; Environmental engineering

Chairperson: Prof. dr. Adrian Ungureanu, Prof. dr. Alexandra Blaga

<https://meet.google.com/gmd-wcic-vuy>

Time	Oral presentation	Authors
12.00-12.15	STUDY OF PHASE TRANSFORMATION PROCESSES USING ISOTHERMAL THERMOGRAVIMETRIC ANALYSIS	Laura Nistor ¹ , Tsuyoshi Michinobu ² , Gabriela Lisa ¹ ¹ "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection ² Institute of Science Tokyo, Department of Materials Science and Engineering, Japan (Chemical engineering)
12.15-12.30	SYNTHESIS OF COPPER NANOCATALYSTS ON SURFACTANT-CONTAINING MESOPOROUS SILICA FOR THE HYDRODEOXYGENATION OF LEVULINIC ACID TO γ -VALEROLACTONE	Veronica-Mădălina Radu , Mihaela Bectoraș, Cezar Catrinescu, Adrian Ungureanu "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)
12.30-12.45	EXPLAINABLE MODELING OF OPERATING REGIMES AND THERMAL STABILITY IN A CSTR USING XAI TECHNIQUES	Dumitriana-Roberta-Marina Brănescu "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)
12.45-13.00	EXPLAINABLE RULE-BASED CLASSIFICATION OF OPERATIONAL STATES IN AN INDUSTRIAL GAS SCRUBBER USING ONER AND JRIP	Andrei Coman "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)
13.00-13.15	STUDY OF MASS TRANSFER FOR BRINE PURIFICATION BY ION EXCHANGE	Valeria Danilova , Liliana Lazăr, Ioan Mămăligă "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)
13.15-13.30	EFFECT OF OPERATING PARAMETERS ON THE PERFORMANCE OF MEMBRANE CELL BRINE ELECTROLYSIS	Dumitru Coman , Liliana Lazăr, Ioan Mamaligă "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)
13.30-14.30	Lunch	



Online Parallel Session 3.1: Wednesday, 13 May, 12.00-13.30

Section 3. Chemistry; Chemical engineering; Environmental engineering

Chairperson: Prof. dr. Gabriela Carja, Associate Prof. dr. Cătălina Anișoara Peptu

<https://meet.google.com/quf-nqgn-pkq>

Time	Oral presentation	Authors
12.00-12.15	ADVANCED NANOCARRIERS FOR PRECISION THERAPY IN GLIOBLASTOMA	Liana-Gabriela Spridon ^{1,2} , Anca Niculina Cadioniu ¹ , Delia Mihaela Rață ¹ , Leonard Ionuț Atanase ^{1,2,3} ¹ Apollonia University of Iasi, Faculty of Medicine ² "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection ³ Academy of Romanian Scientists (Chemical engineering)
12.15-12.30	FUSEL OIL TO ALCOHOLS: PROCESS AND SEPARATION CHALLENGES	Alexey Missyurin , Diana-Luciana Cursaru, Mihaela Neagu Petroleum-Gas University of Ploiești, Faculty of Petroleum Refining and Petrochemistry (Chemical engineering)
12.30-12.45	INFLUENCE OF ALUMINUM AND NICKEL INCORPORATION ON THE ADSORPTION PERFORMANCE OF SBA-15 MESOPOROUS MATERIALS FOR RHODAMINE B REMOVAL FROM AQUEOUS SOLUTIONS	Bianca Toader , Diana-Luciana Cursaru Petroleum-Gas University of Ploiești, Faculty of Petroleum Refining and Petrochemistry (Chemical engineering)
12.45-13.00	HETEROSTRUCTURES OF NANOPARTICLES OF METALS OR METAL OXIDES/ LAYERED DOUBLE HYDROXIDES FOR GREEN CHEMISTRY APPLICATIONS	Oleg Tihon , Sofronia Bouariu, Gabriela Carja "Gheorghe Asachi" Technical University of Iasi-Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)
13.00-13.15	MUCOADHESIVE CHITOSAN NANOPARTICLES FOR ENHANCED OPHTHALMIC BIOAVAILABILITY	Costel-Marilus Epure ¹ , Anca Niculina Cadinou ² , Delia Mihaela Rata ² , Leonard Ionut Atanase ^{1,2,3} ¹ "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection ² Apollonia University of Iasi, Faculty of Medicine ³ Academy of Romanian Scientists (Chemical engineering)
13.15-13.30	ESSENTIAL OIL-BASED EMULSIONS IN THE MANAGEMENT OF GINGIVITIS	Diana Deleu ¹ , Leonard Ionut Atanase ^{1,2,3} "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection



		² Apollonia University of Iasi, Faculty of Medicine ³ Academy of Romanian Scientists (Chemical engineering)
13.30-14.30	Lunch	

Online Parallel Session 4.1: Wednesday, 13 May, 12.00-13.30

Section 3. Chemistry; Chemical engineering; Environmental engineering

Chairperson: Associate Prof. dr. Gabriela Șoreanu

<https://meet.google.com/tpm-ippb-pyy>

Time	Oral presentation	Authors
12.00-12.15	RADON MEASUREMENTS IN WATER USING LUCAS SCINTILLATION CELL, DOSE ASSESSMENT AND ITS REMOVAL	Theodora-Paraschiva Gheorghe ^{1,2} , Bianca-Maria Lincă ^{1,3} , Alina-Catrinel Ion ² , Ileana Rădulescu ¹ ¹ Horia Hulubei National Institute for Physics and Nuclear Engineering ² National University of Science and Technology Politehnica Bucharest, Faculty of Chemical Engineering and Biotechnology, ³ University of Bucharest, Faculty of Physics (Environmental engineering)
12.15-12.30	SILICA AEROGELS FOR ENVIRONMENTAL APPLICATIONS: SELECTIVE REMOVAL OF ORGANIC POLLUTANTS FROM WATER	George-Alin Bălan ^{1,2} , Luiza Mirt ^{1,3} , Ludmila Motelica ^{3,4} , Roxana Trusca ^{1,3} , Denisa Ficăi ³⁻⁶ , Ovidiu Cristian Oprea ³⁻⁶ , Anton Ficăi ^{1,3-5,6} ¹ National University of Science and Technology Politehnica Bucharest, Department of Science and Engineering of Oxide Materials and Nanomaterials ² "Ilie Murgulescu" Institute of Physical Chemistry of the Romanian Academy ³ National University of Science and Technology Politehnica Bucharest, National Centre for Micro- and Nanomaterials ⁴ National University of Science and Technology Politehnica Bucharest, Research Center for Advanced Materials, Products and Processes, ⁵ University POLITEHNICA of Bucharest, Department of Inorganic Chemistry, Physical Chemistry and Electrochemistry ⁶ Academy of Romanian Scientists (Environmental engineering)
12.30-12.45	THREE-DIMENSIONAL FOAM/PUFF PRINTING ON ECO-FRIENDLY TEXTILES MADE FROM FLAX AND HEMP FIBERS USING NATURAL PIGMENTS AND CHT SYSTEMS	Timofte Andreea , Vasilica Popescu "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Industrial Design and Business Management (Chemical engineering)



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12.45-13.00	EVALUATION OF BIOMASS TO BIOFUEL CONVERSION TECHNOLOGIES FOR PROCESS-SCALE APPLICATIONS	Georgiana Petrea , Brîndușa-Mihaela Slușer "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Environmental engineering)
13.00-13.15	VALORIZATION OF ALGAL EXTRACTS AS NATURAL DYEING AGENTS IN THE ECOLOGICAL DYEING OF TEXTILES	Iuliana Cînoiu (Petcu) , Vasilica Popescu "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Industrial Design and Business Management (Chemical engineering)
13.15-13.30	VALUE-ADDED PRODUCT DEVELOPMENT FROM YELLOW ONION (<i>Allium cepa</i> L.) PEELS USING A GREEN EXTRACTION METHOD	Anca M. Roșca ¹ , Adina I. Gavrilă ¹ , Christina Zălaru ² , Justinian A. Tomescu ³ , Mihaela D. Popescu ¹ ¹ National University of Science and Technology Politehnica Bucharest, Faculty of Chemical Engineering and Biotechnologies ² University of Bucharest, Faculty of Chemistry ³ HOFIGAL Export-Import S.A, Bucharest (Chemical engineering)
13.30-14.30	Lunch	

Online Parallel Session 1.2: Wednesday, 13 May, 14.30-16.15

Section 3. Chemistry; Chemical engineering; Environmental engineering

Chairperson: Prof. dr. Cezar-Florin Catrinescu

<https://meet.google.com/bdq-zjqx-kyu>

Time	Oral presentation	Authors
14.30-14.45	BIOMASS-DERIVED CARBON QUANTUM DOTS SYNTHESIZED VIA ULTRASONICATION METHOD	Cosmina-Maria Bogza , Răzvan Rotaru, Carmen-Mihaela Popescu, Maria-Cristina Popescu Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania (Chemistry)
14.45-15.00	LAYERED DOUBLE HYDROXIDES AS 2D NANOSTRUCTURES FOR NANOMEDICINE APPLICATIONS	Ada-Evodia Bodnariuc , Gabriela Carja "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania (Chemical engineering)
15.00-15.15	SYNTHESIS AND CHARACTERIZATION OF ZnTiO ₃ /CARBON NANOTUBES HYBRID MATERIAL FOR WATER TREATMENT APPLICATIONS	Adrian Moraru ^{1,3} , Vladimir Lucian Ene ^{1,2} , Adelina Carmen Ianculescu ¹ ¹ National University of Science and Technology Politehnica Bucharest, Faculty of Chemical Engineering and Biotechnologies,



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		<p>²National University of Science and Technology Politehnica Bucharest, National Research Centre for Micro and Nanomaterials, ³National Institute for Research and Development in Environmental Protection, Department of Advanced / Smart Materials for Environmental Applications (Chemical engineering)</p>
15.15-15.30	ENCAPSULATED IRON OXIDE NANOPARTICLES WITHIN THE INTRAWALL PORES OF SBA-15 VIA MELT INFILTRATION AS AN EFFICIENT FENTON-LIKE CATALYST FOR LINDANE DEGRADATION	<p>Mihaela Bectoras^{1,2}, Adrian Ungureanu¹, Carmen Ciotonea², Sébastien Royer², Cezar Catrinescu¹ ¹"Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania ²Université du Littoral Côte d'Opale, Unité de Chimie Environnementale et Interactions sur le Vivant-UCEIV, Dunkerque, France (Chemistry)</p>
15.30-15.45	STRUCTURAL REGENERATION OF LAYERED DOUBLE HYDROXIDES VIA MEMORY EFFECT: INFLUENCE OF KEY EXPERIMENTAL PARAMETERS	<p>Denis Cutcovschi, Gabriela Carja "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)</p>
15.45-16.00	HYBRID NANOCOMPOSITE HYDROGELS FOR DENTAL APPLICATIONS	<p>Ana Rebeca Pintilij, Anca Mihaela Mocanu, Margareta Gabriela Ciobanu "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemistry)</p>
16.00-16.15	COMPOSITE HYDROGELS BASED ON CALCIUM PHOSPHATES WITH APPLICATIONS IN MEDICINE	<p>Daniela Florentina Gheorghită, Margareta Gabriela Ciobanu "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemistry)</p>
16.15-16.30	Coffee Break	



Online Parallel Session 2.2: Wednesday, 13 May, 14.30-16.30

Section 2. Computers and information technology; Systems engineering; Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology

Chairperson: Prof. dr. Florin Leon

<https://meet.google.com/eam-nwpy-mzn>

Time	Oral presentation	Authors
14.30-14.45	DEEP LEARNING-BASED ALGORITHMS OR THE CLASSIFICATION AND SEGMENTATION OF FETAL ULTRASONOGRAPHIC IMAGES	Mihai Aron "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Computers and information technology)
14.45-15.00	EXPERIMENTAL STUDY OF HYBRID EDUCATIONAL ROBOTIC PLATFORMS FOR PROGRAMMING AND EDUCATIONAL ROBOTICS	Emilia-Felicia Coșniță ¹ , Păun Antonescu ¹ , Simona-Elena Vârlan ² , Iosif Tempea ¹ ¹ National University of Science and Technology „Politehnica” Bucharest, Romania, Dept. of Theory of Mechanisms and Robots ² Alexandru Ioan Cuza University of Iași, Faculty of Computer Science (Systems engineering)
15.00-15.15	EFFICIENCY EVALUATION OF ROMANIAN PUBLIC HOSPITALS USING DATA ENVELOPMENT ANALYSIS AND MACHINE LEARNING	Adelina-Elena Marinescu , Cristian Stelian Greu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Computers and information technology)
15.15-15.30	INTERPRETING A DQN LUNARLANDER AGENT WITH SHAP: A CASE STUDY OF GLOBAL AND LOCAL EXPLANATIONS	Yasmina-Stefana Meiu , Carlos-Mihai Pascal, Constantin-Florin Caruntu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Systems engineering)
15.30-15.45	DOMAIN RANDOMIZATION IN DEEP REINFORCEMENT LEARNING FOR PHYSICAL INVERTED PENDULUM CONTROL	Tudor-Andrei Paleu , Adrian Burlacu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Systems engineering)
15.45-16.00	APPLYING A QUANTUM COMPARATOR TO IMAGE SEGMENTATION	Adrian Prodan "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Computers and information technology)
16.00-16.15	IMPROVING THE SEGMENTATION OF ACOUSTIC NEWS THROUGH SPEECH-TO-TEXT ANALYSIS, NER, AND JACCARD SIMILARITY	Vasile-Silviu Sarmasanu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Computers and information technology)



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16.15-16.30	BEYOND OFFLINE PROGRAMMING: AUTONOMOUS ROBOTIC WELDING VIA VISION-LANGUAGE MODEL-GUIDED 3D SEAM EXTRACTION	Elvis Marus "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Computers and information technology)
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Online Parallel Session 3.2: Wednesday, 13 May, 14.30-16.45

Section 2. Computers and information technology; Systems engineering; Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology

Chairperson: Prof. dr. Marian-Silviu Poboroniuc

<https://meet.google.com/xqr-xcbu-apb>

Time	Oral presentation	Authors
14.30-14.45	DISTRACTION MONITORING SYSTEM	Iulian-Constantin Cadare , Cristian Zet "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering)
14.45-15.00	THE EFFECT OF ROTATING CONTACTS ON COMMUTATION IN LOW VOLTAGE DC CIRCUITS	Ionuț-Alexandru Covali , Radu Burlică, Adrian Anton, Mihai Andrușcă, Bogdan-Andrei Pingescu, Dragoș George Astanei "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering)
15.00-15.15	UTILIZATION OF ARTIFICIAL INTELLIGENCE FOR ENHANCING ELECTRICAL PROPERTIES OF NANOCOMPOSITES	Silviu-Nicolae Dobra "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering)
15.15-15.30	TOWARD META-AFFECTIVE COMPUTING: A REAL-TIME EMOTIONAL CONGRUENCE INDEX BASED ON EEG-EDA-SELF-REPORT FUSION	Daniela Anamaria Dolhăscu , Iulia Adelina Bonceag, Daniel Mihai Pantazi, Ana Maria Roșca, Danut Constantin Irimia, Marian-Silviu Poboroniuc "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering)
15.30-15.45	A PRACTICAL LOW-COST WORKFLOW FOR NONLINEAR MAGNETIC MODELING IN LTSPICE BASED ON VARIABLE PERMEANCE	Giani Constantin Braescu , Marian Silviu Poboroniuc "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering)
15.45-16.00	ANALYSIS AND COMPENSATION OF SENSOR DRIFT IN MODERN MONITORING SYSTEMS	Gina-Ionela Tătaru "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania



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		(Electrical engineering)
16.00-16.15	SPECTRAL ANALYSIS OF WINE USING UV-VIS TECHNIQUES FOR PHENOLIC CHARACTERIZATION AND COLOR METRICS	Isachi Mihai , Zet Cristian "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering)
16.15-16.30	COMPARATIVE ANALYSIS OF PROFESSIONAL LITERATURE AND ALGORITHMIC SIMULATION VALIDATION OF TEMPORAL INTEGRITY IN CLOSED-LOOP BCI SYSTEMS	Daniel Mihai Pantazi ¹ , Ana Maria Roșca ² , Daniela Anamaria Dolhăscu ¹ , Danut Constantin Irimia ¹ , Marian-Silviu Poboroniuc ¹ "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania ² Free International University of Moldova, Faculty of Social and Educational Sciences, Chișinău, Republica Moldova (Electrical engineering)
16.30-16.45	LOW-COST INTEGRATED PLATFORM FOR REAL-TIME ACQUISITION OF OPTICAL PARAMETERS THROUGH CONTROLLED ANGULAR MOVEMENT	Marian-Andrei Vieru "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering)

Online Parallel Session 4.2: Wednesday, 13 May, 14.30-16.00

Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management

Chairperson: Prof. dr. Nicanor Cimpoeșu

<https://meet.google.com/avs-dbam-kr5>

Time	Oral presentation	Authors
14.30-14.45	KYNETIC STUDY ON TITANIUM HYDRIDING VIA THERMOGRAVIMETRIC METHOD, FOR HYDROGEN ISOTOPES STORAGE APPLICATIONS	Irina Maria Sturzeanu ^{1,2} , Mariea Deaconu ² , Mărioara Abrudeanu ¹ , Daniel Paparagică ² , Valentin Olaru ² , Iulia Dumitrescu ^{2,1} ¹ "National University of Science and Technology POLITEHNICA Bucharest – Doctoral School of Materials Science and Engineering, Romania ² "RATEN Institute for Nuclear Research Pitesti, Romania (Materials engineering)
14.45-15.00	ANALYSIS OF THE POSSIBILITIES OF OBTAINING METALLIC STRUCTURES FOR DENTAL APPLICATIONS BY 3D PRINTING	Petrică Procovanu , Nicanor Cimpoeșu "Gheorghe Asachi" Technical University of Iasi, Faculty of Materials Science and Engineering, Iasi, Romania (Materials engineering)
15.00-15.15	STRONTIUM BASED PHOSPHATE CONVERSION COATINGS APPLIED ON METALLIC BIOMATERIALS – A BRIEF REVIEW	Anca Cazac ¹ , Diana-Petronela Burduhos-Nergis ¹ , Andrei - Victor Sandu ¹ , Maricel Agop ² , Mihai Popa ¹ Costica Bejinariu ¹



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		<p>¹"Gheorghe Asachi" Technical University of Iasi, Faculty of Materials Science and Engineering, Iasi, Romania</p> <p>²"Vasile Alecsandri" University of Bacau, Romania (Materials engineering)</p>
15.15-15.30	ROLE OF MANUFACTURING ROUTES IN TAILORING β -TYPE Ti-Mo-Nb-Sn ALLOYS FOR BIOMEDICAL APPLICATIONS	<p>Pruteanu Andrei¹, Bălțatu Mădălina Simona¹, Ghiculescu Ion¹, Tofan Mihai¹, Peruc Codruț Alexandru¹, Sandu Andrei Victor^{1,2,3}, Vizureanu Petrică¹</p> <p>¹"Gheorghe Asachi" Technical University of Iasi, Faculty of Materials Science and Engineering, Iasi, Romania</p> <p>² Academy of Romanian Scientists, Bucharest, Romania</p> <p>³ Romanian Inventors Forum, Iasi, Romania (Materials engineering)</p>
15.30-15.45	INVESTIGATIONS INTO THE TRIBOLOGICAL, THERMOMECHANICAL AND CORROSION RESISTANCE PROPERTIES OF BRAKING SYSTEMS MATERIALS	<p>Andrei Cucos</p> <p>"Gheorghe Asachi" Technical University of Iasi, Faculty of Materials Science and Engineering, Iasi, Romania (Materials engineering)</p>
15.45-16.00	DYNAMIC ANALYSIS AND PERFORMANCE EVALUATION OF INERTER FRACTIONAL NONLINEAR QUASI-ZERO STIFFNESS ISOLATOR ON A MULTI-SPAN BRIDGE UNDER MOVING LOAD	<p>L.H. Dongmo Nguebem, S.C. Mba Feulefack, A.M. Ngounou, B.R. Nana Nbandjo</p> <p>Laboratory of Modelling and Simulation in Engineering, Biomimetics and Prototypes, Faculty of Science, University of Yaounde I, Cameroon (Materials engineering)</p>
16.00-16.30	Coffee Break	

Online Parallel Session 1.3: Wednesday, 13 May, 16.30-18.00

Section 4. Civil engineering and installations

Chairperson: Lecturer Vlad Munteanu

<https://meet.google.com/hxy-ozdc-xsw>

Time	Oral presentation	Authors
16.30-16.45	A COMPREHENSIVE THEORETICAL FRAMEWORK FOR THE APPLICATION OF LARGE LANGUAGE MODELS IN INTERPRETING MONTE CARLO ANALYSIS FOR "WHAT-IF" SCENARIOS WITHIN BIM-ENABLED CONSTRUCTION ENVIRONMENTS	<p>Alexandru Bogdan Patache, Adrian Alexandru Șerbanoiu, Lucian Constantin Ungureanu</p> <p>"Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering and Building Services, Romania (Civil engineering and installations)</p>
16.45-17.00	COMPARATIVE ANALYSIS OF CARBON EMISSIONS BETWEEN A	<p>Ioan Petrică Strugari, Dorina Nicolina Isopescu</p>



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	REINFORCED CONCRETE BRIDGE AND ITS GLUED LAMINATED TIMBER (GLT) EQUIVALENT	"Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering and Building Services, Romania (Civil engineering and installations)
17.00-17.15	A REVIEW OF SEISMIC RETROFITTING STRATEGIES FOR EXISTING BUILDINGS IN ROMANIA: FROM TRADITIONAL TO INNOVATIVE APPROACHES	Tiberiu Achitei , Dorina-Nicolina Isopescu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering and Building Services, Romania (Civil engineering and installations)
17.15-17.30	HYBRID PREFABRICATED SYSTEM WITH LOW EMISSIONS AND THERMO-STRUCTURAL PERFORMANCE EQUIVALENT TO CONVENTIONAL STRUCTURES	Tudor Lespezeanu , Dorina-Nicolina Isopescu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering and Building Services, Romania (Civil engineering and installations)
17.30-17.45	DRYING BEHAVIOUR OF HEMPCRETE BLOCKS USING LOW-COST MONITORING METHODS	Teodor Gavril , Irina Baran, Laura Dumitrescu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering and Building Services, Romania (Civil engineering and installations)
17.45-18.00	OPTIMIZATION OF THERMAL ENERGY STORAGE SYSTEMS FOR ENERGY-EFFICIENT BUILDINGS INTEGRATING PCM-BASED LATENT STORAGE, STRATIFIED TANKS AND HEAT PUMPS	Alexandru-Flavian Crisu , Ciprian-Cătălin Butnaru, Andrei Burlacu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering and Building Services, Romania (Civil engineering and installations)

Online Parallel Session 2.3: Wednesday, 13 May, 16.30-18.30

Section 3. Chemistry; Chemical engineering; Environmental engineering

Chairperson: Prof. dr. Laura Bulgariu

<https://meet.google.com/yjb-fudb-yuy>

Time	Oral presentation	Authors
16.30-16.45	RECOVERY OF PRECIOUS METALS FROM ELECTRONIC WASTE: FROM EXPERIMENTAL APPROACHES TO ADVANCED TECHNOLOGICAL SOLUTIONS	Andrei-Marius Lăcătuș , Ioan Mămăligă, Laura Bulgariu "Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania (Environmental engineering)
16.45-17.00	VEGETABLE OILS FUNCTIONALIZATION THROUGH EPOXIDATION AND RING OPENING REACTIONS	Laura Miu ^{1,2} , Florina Teodorescu ² , Raluca Stan ¹ ¹ National University of Science and Technology Politehnica Bucharest, Faculty of Chemical Engineering and Biotechnologies, Bucharest, Romania



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		² "C. D. Nenitzescu" Institute of Organic and Supramolecular Chemistry of the Romanian Academy, Bucharest, Romania (Chemical engineering)
17.00-17.15	CONTRIBUTIONS TO THE SUSTAINABLE VALORIZATION OF RECYCLED EDIBLE VEGETABLE OILS	Paula Rusu ¹ , Maricel Danu ^{1,2} Gabriela Lisa ¹ ¹ "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection ² "Petru Poni" Institute of Macromolecular Chemistry, Iasi (Chemical engineering)
17.15-17.30	TOWARDS SUSTAINABLE TOURISM IN MEDITERRANEAN DESTINATIONS: AN LCA PERSPECTIVE ON HERAKLION, GREECE	Raluca-Maria Tâbuleac ¹ , Elena-Diana Ungureanu-Comăniță ¹ , Maria Gavrilăscu ^{1,2,3} ¹ "Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania ² Academy of Romanian Scientists, Bucharest, Romania ³ Academy of Technical Sciences of Romania, Bucharest, Romania (Environmental engineering)
17.30-17.45	BIOMASS TRANSFORMATION IN THE CONTEXT OF ENVIRONMENTAL PROTECTION: CARBON CAPTURE AND WASTEWATER REUSE IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT	Mohammed N. B. Alrayyes ¹ , Julien Vieillard ² , Laura Bulgariu ¹ ¹ "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection ² Université de Rouen Normandie, Departement Packaging IUT Evreux, France (Environmental engineering)
17.45-18.00	STUDIES ON MASS TRANSPORT IN ELECTROCHEMICAL SEPARATION PROCESSES	Abdelrahim Suliemi , Ioan Mămăligă "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)
18.00-18.15	STUDY OF AN ADSORPTION-BASED TREATMENT STEP PERFORMANCE ONTO A ZOOTECHNICAL FARM EFFLUENT	Cristina-Alexandra Haivas , Carmen Zaharia "Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania (Environmental engineering)
18.15-18.30	TOOLS FOR ASSESSING ENVIRONMENTAL QUALITY, ENVIRONMENTAL IMPACTS,	Malina-Ioana Ursache , Brindusa Sluser "Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical



	ENVIRONMENTAL RISKS AND OCCUPATIONAL HEALTH	Engineering and Environmental Protection, Iasi, Romania (Environmental engineering)
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Online Parallel Session 3.3: Wednesday, 13 May, 16.30-18.30

Section 4. Civil engineering and installations

Chairperson: Lecturer Marius Telișcă

<https://meet.google.com/ejp-rkxu-jee>

Time	Oral presentation	Authors
16.30-16.45	INTEGRATED GIS-BASED METHODOLOGY FOR GROUNDWATER RESOURCE ASSESSMENT AND VULNERABILITY MAPPING USING DRASTIC, MODFLOW AND MT3DMS MODELS	Irina Nicoleta Morozan (Pavel) "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)
16.45-17.00	ANALYSIS AND SYNTHESIS OF MATHEMATICAL METHODS FOR ESTIMATING SOIL EROSION	Alexandra-Andreea Strungaru , Anca Bălan, Gabriela Biali "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)
17.00-17.15	OPTIMIZATION OF THE GEODETIC NETWORK FOR MONITORING THE HORIZONTAL DEFORMATIONS OF THE STÂNCA-COSTEȘTI DAM USING GNSS TECHNOLOGY	Bogdan Rusu , Mihail Luca "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)
17.15-17.30	TECHNOLOGIES FOR IMPROVING ANTI-EROSION WORKS IN SMALL HYDROLOGICAL BASINS	Anca Bălan , Alexandra-Andreea Strungaru, Gabriela Biali "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)
17.30-17.45	ASSESSMENT OF SURFACE RUNOFF FORMATION AND FLOOD VULNERABILITIES: CASE STUDY IN THE SUHU RIVER BASIN	Otilia Pitulac , Claudiu Pricop, Florian Stătescu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)
17.45-18.00	COMPARATIVE ANALYSIS OF THE EVOLUTION OF THE DYNAMICS OF BUILT-UP LAND BETWEEN THE ADMINISTRATIVE-TERRITORIAL UNITS OF VALEA LUPULUI AND BÂRNOVA, IAȘI COUNTY IN THE PERIOD 2015-2025	Veronica Muraru , Florian Stătescu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)



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18.00-18.15	ASSESSING TRADITIONAL AND MODERN TECHNIQUES FOR WATER LOSS DETECTION: A COMBINED ANALYTICAL APPROACH	Vasile Stavarachi , Mihail Luca "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)
18.15-18.30	FIELD VALIDATION OF ACOUSTIC CORRELATOR LEAK DETECTION IN DRINKING WATER NETWORKS: INFLUENCE OF PIPE MATERIALS	Alexandru Postavaru ¹ , Catrinel-Raluca Giurma-Handley ¹ , Ion Giurma ^{1,2} , Petru Cercel ¹ ¹ "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania ² Academy of Romanian Scientists (AOSR), Bucharest, Romania (Civil engineering and installations)

Online Parallel Session 4.3: Wednesday, 13 May, 16.30-18.15

Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management

Chairperson: Prof. dr. Antonela Curteza

<https://meet.google.com/tav-pqki-emd>

Time	Oral presentation	Authors
16.30-16.45	AUXETIC KNITTED MATERIALS	Ioana-Otilia Rusu , Mirela Blaga "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Romania (Industrial engineering)
16.45-17.00	CHARACTERISATION OF KNITTED FABRICS USING THE NATURAL FREQUENCY METHOD	Perdevară Mihaela , Blaga Mirela "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Romania (Industrial engineering)
17.00-17.15	ARTIFICIAL INTELLIGENCE APPLICATIONS IN GARMENT MANUFACTURING: A MULTIPLE CASE STUDY AND IMPLEMENTATION FRAMEWORK	Laura-Diana Luca ¹ , Maria-Carmen Loghin ¹ , Dragoș Luca ² ¹ "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Romania ² "Gheorghe Asachi" Technical University of Iasi-Romania, Mechanical Engineering Faculty, Romania (Industrial engineering)
17.15-17.30	ESTIMATION OF MASS LOSS IN MUSEUM TEXTILES THROUGH IMAGING-BASED METHODS	Cristina Pascal , Irina-Niculina Cristian "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Romania (Industrial engineering)
17.30-17.45	TESTING METHODOLOGIES FOR EVALUATING THE ADHESION OF	Iuliana Streba , Antonela Curteza



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	3D PRINTED POLYMERS ON TEXTILE SUBSTRATES	"Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Romania (Industrial engineering)
17.45-18.00	STRUCTURAL AND FUNCTIONAL MODIFICATIONS OF HIGH-PERFORMANCE FABRICS DESIGNED FOR MULTI-HAZARD IMPACT PROTECTION SYSTEMS	Niki Vlad Mancași , Irina Niculina Cristian "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Romania (Industrial engineering)
18.00-18.15	GREEN AESTHETICS IN CLOTHING: A STUDY WITHIN THE CONTEXT OF SUSTAINABILITY	Giorgiana-Claudia Irimiea , Antonela Curteza "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Romania (Industrial engineering)
18.15-18.30	ANALYSIS OF NANOFIBER MEMBRANES FOR USE IN MULTILAYER FABRIC STRUCTURES	Sezin Atay ¹ , Nida Gülsevin ² , E. Perrin Akçakoca Kumbasar ² ¹ Ege University, Graduate School of Natural and Applied Sciences, Textile Engineering, Izmir, Türkiye ² Ege University, Faculty of Engineering, Department of Textile Engineering, Izmir, Türkiye (Industrial engineering)



Thursday, 14 May, 2026

PLENARY SESSION 2 (Online): Thursday, 14 May, 9.30-10.50

Chairpersons: Prof. dr. Mirela Blaga, Prof. dr. Dorina-Nicolina Isopescu

9.30-10.10	From Hard Copy to Remote Sensing: The Importance of Maps in Environmental Applications	Prof.dr. CARMEN MAFTEI Civil Engineering Faculty, Transilvania University of Braşov, Romania
10.10-10.50	E-textiles – Applications and Perspectives	Prof.dr. VLADAN KONCAR ENSAIT – National Graduate School of Arts and Textile Industries, Roubaix, University of Lille, France
Link	https://meet.google.com/xhy-qbkv-jke	
10.50-11.15	Coffee break	

Online Parallel Session 1.4: Thursday, 14 May, 11.15-12.45

Section 4. Civil engineering and installations

Chairperson: Associate Prof. dr. Sebastian Valeriu Hudişteanu

<https://meet.google.com/oij-rfto-svq>

Time	Oral presentation	Authors
11.15-11.30	ACTIVE COOLING TECHNIQUES FOR PHOTOVOLTAIC PANELS: A COMPARATIVE ANALYSIS AND PERSPECTIVE ON NET ENERGY PERFORMANCE	Ciprian-Cătălin Butnaru , Alexandru-Flavian Crişu, Andrei Burlacu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Civil Engineering and Building Services, Iasi, Romania (Civil engineering and installations)
11.30-11.45	A REVIEW OF ARTIFICIAL INTELLIGENCE APPLICATIONS IN CIVIL ENGINEERING	Dumitru-Adrian Buzatu , Dorina Nicolina Isopescu, Simona-Elena Vârlan "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Civil Engineering and Building Services, Iasi, Romania (Civil engineering and installations)
11.45-12.00	COMPARATIVE APPROACH TO DEVELOPING THE RESEARCH METHODOLOGY ON FIRE SAFETY REQUIREMENTS APPLICABLE TO HEALTHCARE BUILDINGS IN RELATION TO P118-1/2025	Iulian Enaru , Andrei Burlacu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Civil Engineering and Building Services, Iasi, Romania (Civil engineering and installations)
12.00-12.15	SEISMIC VULNERABILITIES, ASSESSMENT AND STRENGTHENING OF EXISTING HIGH-RISE LARGE PANEL BUILDINGS	Fabian-Leonard Tiba , Sergiu-Andrei Băetu, Ioana Olteanu, Irina Lungu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Civil Engineering and Building Services, Iasi, Romania (Civil engineering and installations)



12.15-12.30	TRADITIONAL TECHNOLOGIES FOR CONSTRUCTION: OLD PROCESSING PROCEDURES AND MATERIAL COMPOSITIONS	Cristian Ciobanu , Dorina-Nicolina Isopescu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Civil Engineering and Building Services, Iasi, Romania (Civil engineering and installations)
12.30-12.45	ASPECTS OF SOIL-STRUCTURE INTERACTION MODELLING FOR HIGH-RISE RESIDENTIAL BUILDINGS: WINKLER APPROACH, FIXED-BASE ASSUMPTIONS AND EXPERIMENTAL EVIDENCE	Fabian-Leonard Tiba , Irina Lungu, Florin Bejan "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Civil Engineering and Building Services, Iasi, Romania (Civil engineering and installations)
12.45-14.00	Lunch	

Online Parallel Session 2.4: Thursday, 14 May, 10.00-11.30

Section 2. Computers and information technology; Systems engineering; Electrical engineering; **Energy engineering**; Electronic engineering, telecommunications and information technology

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Chairperson: Prof. dr. Bogdan-Constantin Neagu

<https://meet.google.com/dob-tqzr-kuj>

Time	Oral presentation	Authors
10.00-10.15	IDENTIFYING ENERGY POVERTY ZONES BASED ON EXPLAINABLE CLUSTERING	Mihai-Alexandru Baci , Gheorghe Grigoraș "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Energy engineering)
10.15-10.30	A COMPREHENSIVE ANALYSIS OF THE PROSUMERS' IMPACT ON THE OPERATION AND PLANNING OF THE ELECTRIC DISTRIBUTION NETWORKS	Nicolae Asavei , Gheorghe Grigoraș "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Energy engineering)
10.30-10.45	AN IN-DEPTH BIBLIOMETRIC ANALYSIS ON THE INTEGRATION OF INTERNET OF THINGS TECHNOLOGIES IN ENERGY CONSUMPTION MANAGEMENT SYSTEMS	Răzvan-Petru Livadariu , Gheorghe Grigoraș "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Energy engineering)
10.45-11.00	AN ALGORITHM FOR DIGITAL STANDARDIZATION IN RENEWABLE ENERGY	Balacci Ruslan Technical University of Moldova, Faculty of Energetics and Electrical Engineering, Chisinau, Republic of Moldova (Energy engineering)



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11.00-11.15	CONSERVATION VOLTAGE REDUCTION AND OPTIMAL PLACEMENT OF REMOTE-CONTROLLED SWITCHES FOR VOLTAGE CONTROL IN LOW-VOLTAGE DISTRIBUTION NETWORKS	Costică-Adi Năzăreanu , Claudia-Vasilica Bondar "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Energy engineering)
11.15-11.30	DEVELOPMENT STRATEGIES FOR GREEN HYDROGEN-BASED ENERGY COMMUNITIES	Traian Candin Mihăltan , Adi Aurelian Gugiuman "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Energy engineering)
11.30-11.45	Coffee Break	

Online Parallel Session 3.4: Thursday, 14 May, 11.15-12.45

Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management

Chairperson: Prof. dr. Daniela Popescu

<https://meet.google.com/sns-ewus-fjd>

Time	Oral presentation	Authors
11.15-11.30	RESEARCH ON THE FLUID FLOW AND HEAT TRANSFER PHENOMENA SPECIFIC TO FLUID–METAL INTERACTION DEVELOPED WITHIN THE CONSTRUCTION OF NAVAL STRUCTURES	Dumitru Andrei-Alin , Daniela Popescu „Gheorghe Asachi” Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Industrial engineering)
11.30-11.45	INVESTIGATIONS ON THE FLUID FLOW INSIDE DEVICES DESIGNED FOR THE AUTOMOTIVE INDUSTRY. CASE STUDY: COOLING SYSTEMS DESIGNED FOR PLASTIC INJECTION TOOLS	Mihai-Razvan Grecu „Gheorghe Asachi” Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Industrial engineering)
11.45-12.00	STATE-OF-THE-ART OF 3D PRINTING IN REMANUFACTURING WITHIN INDUSTRY 4.0	Gabriel Signeanu , Ionuț-Alin Bejenaru, Sănducu Anita, Florin-Daniel Edutanu "Gheorghe Asachi" Technical University of Iasi, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Industrial engineering)
12.00-12.15	DEVELOPMENT OF A SPECIALIZED FIXTURE FOR TENSILE TESTING OF LIFTING EYES USED IN DOCK LEVELER HANDLING	Andrei-Emanuel Ancuța , Bogdan-Dorel Cioroagă " Politehnica University Timișoara-Romania, Faculty of Engineering in Hunedoara, Romania (Industrial engineering)
12.15-12.30	GUI FOR REAL-TIME MONITORING OF FDM 3D PRINTING USING SERIAL DATA	Florin-Daniel Eduțanu , Dragos-Florin Chitariu, Florin Chifan, Emilian Paduraru and Gabriel Signeanu



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		"Gheorghe Asachi" Technical University of Iasi, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Industrial engineering)
12.30-12.45	DEVELOPMENT OF AN EXPERIMENTAL MODEL FOR PROCESSING ADVANCED MATERIALS	Titi Danciu , Liviu-Daniel Ghiculescu National University of Science and Technology POLITEHNICA Bucharest, Faculty of Industrial Engineering and Robotics, Bucharest, Roumania (Industrial engineering)
12.45-14.00	Lunch	

Online Parallel Session 4.4: Thursday, 14 May, 11.15-13.15

Section 2: Computers and information technology; Systems engineering; Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology

Chairperson: Prof. dr. Dan Marius Dobra

<https://meet.google.com/afu-pdjj-vm>

Time	Oral presentation	Authors
11.15-11.30	THE EVOLUTION OF ZERO TRUST: ARCHITECTURAL PRINCIPLES AND PRACTICAL IMPLICATIONS	Roxana Emanuela Ambrozie "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iași, Romania (Electronic engineering, telecommunications and information technology)
11.30-11.45	ARRYTHMIA CLASSIFICATION USING BAG-OF-WORDS MODEL	Alexandra-Iulia David "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iași, Romania (Electronic engineering, telecommunications and information technology)
11.45-12.00	STATISTICAL ROBUSTNESS ANALYSIS OF YOLO26S IN PCOM DETECTION	Marinela Leampăr , Iulian B. Ciocoiu "Gheorghe Asachi" Technical University of Iasi, Faculty of Electronics, Telecommunications and Information Technology, Iași, Romania (Electronic engineering, telecommunications and information technology)
12.00-12.15	PERFORMANCE ANALYSIS OF DC-DC CONVERTERS: OUTPUT VOLTAGE RIPPLE AND EFFICIENCY	Cosmina-Elena Onofrei , Daniela Tărniceriu "Gheorghe Asachi" Technical University of Iasi, Faculty of Electronics, Telecommunications and Information Technology, Iași, Romania (Electronic engineering, telecommunications and information technology)
12.15-12.30	EYEPATCHVR: A NEW APPLICATION-INDEPENDENT STEAMVR OVERLAY	Rares Pogoreanu , Teofil Ursachi, Radu Gabriel Bozomitu



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	FOR DICHOPTIC VISUAL PENALIZATION AMBLYOPIA THERAPY	"Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iași, Romania (Electronic engineering, telecommunications and information technology)
12.30-12.45	PERFORMANCE EVALUATION OF CODING TECHNIQUES IN SOFTWARE-DEFINED RADIO SYSTEMS FOR VEHICULAR APPLICATIONS	Ștefan Corneliu Stoica , Radu Gabriel Bozomitu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iași, Romania (Electronic engineering, telecommunications and information technology)
12.45-13.00	VLSI IMPLEMENTATION OF AN AUTO-TUNING SIXTH-ORDER Gm-C LOW-PASS FILTER FOR RF APPLICATIONS	Aurica Zara (Grozavu) , Adrian Obuhov, Radu Gabriel Bozomitu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iași, Romania (Electronic engineering, telecommunications and information technology)
13.00-13.15	EXPERIMENTAL MODULE FOR TESTING AUTOMOTIVE COMMUNICATION PROTOCOLS: DESIGN AND FUNCTIONAL TESTS	Andreea Anamaria Rindasu ¹ , Ion Bogdan ¹ , Mihael-Cristian Ignat ² ¹ "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iași, Romania ² AUMOVIO Technologies Romania SRL, Iași, România (Electronic engineering, telecommunications and information technology)
13.15-14.00	Lunch	

Online Parallel Session 1.5: Thursday, 14 May, 14.00-15.30

Section 4. Civil engineering and installations

Chairperson: Lecturer Robert Ștefan Vizitiu

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Time	Oral presentation	Authors
14.00-14.15	METHODS AND TECHNIQUES FOR ENHANCING ARCHAEOLOGICAL HERITAGE IN URBAN SPACES	Alexandru Gabriel Bîrcă ¹ , George Bogdan Teodorescu ¹ , Delia Andrieș ¹ , Dan Pericleanu ¹ , Ana Maria Grămescu ¹ , Dorina-Nicolina Isopescu ² ¹ "Ovidius" University of Constanta, Romania ² "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering and Building Services, Iasi, Romania (Civil engineering and installations)
14.15-14.30	APPLICABILITY OF AERIAL AND SATELLITE IMAGES TO GEOTECHNICAL CHARACTERIZATION	Mădălin-Cornel Văleanu , Ancuța Rotaru



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	OF SITES: ASSESSMENT OF GROUNDWATER FLOW	"Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering and Building Services, Iasi, Romania (Civil engineering and installations)
14.30-14.45	RISK AND VULNERABILITY OF HERITAGE FACADES – AN ESSENTIAL FACTOR IN RESTORATION	Andrei Panchici , George Bogdan Teodorescu, Alexandru Gabriel Bîrcă, Nicoleta Însurățelu, Ana Maria Grămescu "Ovidius" University of Constanta, Romania (Civil engineering and installations)
14.45-15.00	THE ARCHIVE OF PROFESSOR IOAN STĂNCULESCU	Mădălin-Cornel Văleanu , Ancuța Rotaru "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering and Building Services, Iasi, Romania (Civil engineering and installations)
15.00-15.15	TECHNIQUES AND METHODS FOR INVESTIGATING BUILDINGS CONSTRUCTED WITH LOCAL MATERIALS	Tudorel Seitan ¹ , Delia Andrieș ¹ , George Bogdan Teodorescu ¹ , Ana Maria Grămescu ¹ , Dorina-Nicolina Isopescu ² ¹ "Ovidius" University of Constanta, Romania ² "Gheorghe Asachi" Technical University of Iasi, Faculty of Civil Engineering and Building Services, Romania (Civil engineering and installations)
15.15-15.30	THE ORTHODOX CATHEDRAL OF GALAȚI (ROMANIA): GEOTECHNICAL OBSERVATIONS AND CONSOLIDATION SOLUTIONS PROPOSED BY PROFESSOR IOAN STĂNCULESCU	Mădălin-Cornel Văleanu , Ancuța Rotaru "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering and Building Services, Iasi, Romania (Civil engineering and installations)
15.30-16.00	Coffee break	

Online Parallel Session 2.5: Thursday, 14 May, 11.45-13.30

Section 2. Computers and information technology; Systems engineering; Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology

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Chairperson: Prof. dr. Sebastian Aradoae

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Time	Oral presentation	Authors
11.45-12.00	COMPARATIVE ANALYSIS OF THE MAIN PID ASSESSMENT METHODS FOR PV MODULES MANUFACTURED USING POLYCRYSTALLINE SILICON TECHNOLOGY	Robert Jahrstorfer ¹ , Andrei Salceanu ¹ "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering)
12.00-12.15	EQUIPMENT AND TECHNIQUES FOR PERFORMING IMAGING	Lucian Balan



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	EXAMINATIONS IN DENTISTRY: FROM CONVENTIONAL RADIOGRAPHY TO MULTIMODAL FUSION GUIDED BY ARTIFICIAL INTELLIGENCE	"Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering)
12.15-12.30	TESTS AND SOLUTIONS FOR IMPROVING EMC IMMUNITY OF ULTRA-LOW-FIELD MAGNETIC RESONANCE IMAGING (MRI) SYSTEMS	Matei-Constantin Moruz, Andrei Salceanu "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering)
12.30-12.45	UGR AS A STANDARDIZED METRIC: ROLE, LIMITATIONS AND APPLICABILITY IN INDOOR LIGHTING ENVIRONMENTS	Andrei-Aurelian Ianos "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering)
12.45-13.00	ATTENTION ASSESSMENT IN BCI SYSTEMS VIA DYNAMIC THRESHOLDS AND PHYSIOLOGICAL ARTEFACT RESILIENCE	Daniel Mihai Pantazi¹ , Marian-Silviu Poboroniuc ¹ , Ana Maria Roșca ² ¹ "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics ² Free International University of Moldova, Faculty of Social and Educational Sciences, Chișinău, Republica Moldova (Electrical engineering)
13.00-13.15	3D ROUTING AND ITS IMPACT ON INTERCONNECT LENGTH	Ionica-Marcela Pletea , Cristian Zet "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering)
13.15-13.30	DIELECTROPHORESIS – THEORY, PRINCIPLE AND APPLICATIONS	Georgiana Prodan-Chiriac "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering)
13.30-13.45	Coffee break	

Online Parallel Session 3.5: Thursday, 14 May, 13.45-15.15

Section 2. Computers and information technology; Systems engineering; **Electrical engineering**; Energy engineering; Electronic engineering, telecommunications and information technology

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Chairperson: Associate Prof. dr. Alexandru Trandabat

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Time	Oral presentation	Authors
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13.45-14.00	MAINTENANCE PLAN FOR A MEDIUM-SIZED GROUND-MOUNTED PHOTOVOLTAIC PLANT	Robert Jahrstorfer , Andrei Salceanu "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering)
14.00-14.15	TESTS AND SOLUTIONS FOR IMPROVING EMC IMMUNITY OF ULTRA-LOW-FIELD MAGNETIC RESONANCE IMAGING (MRI) SYSTEMS	Matei-Constantin Moruz , Andrei Salceanu "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
14.15-14.30	APPROACH ON TUNING A MOBILE CB ANTENNA USING THE N9921 FIELDFOX ANALYZER	Andrei Salceanu "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
14.30-14.45	THERMAL STRESS MONITORING OF ELECTRICAL EQUIPMENT FROM MEDIUM VOLTAGE CELLS	Constantin-Bogdan PĂDURARU , Maricel ADAM "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
14.45-15.00	MODERN TRENDS IN LIGHTING ENGINEERING	Silviu Gheorghe ¹ , Catalin Galatanu ² ¹ "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania ² Faculty of Civil Engineering and Building Services, Iasi, Romania (Electrical engineering)
15.00-15.15	AI-ASSISTED ENHANCEMENT OF INTRACARDIAC SIGNALS DURING RADIOFREQUENCY CATHETER ABLATION – A PRELIMINARY STUDY	Carp Alina-Mihaela "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)

Online Parallel Session 4.5: Thursday, 14 May, 14.00-15.30

Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management

Chairperson: Prof. dr. Ioan Doroftei

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Time	Oral presentation	Authors
14.00-14.15	A COMPREHENSIVE REVIEW OF BEARING CURRENT PHENOMENA IN ELECTRIC VEHICLE DRIVE SYSTEMS	Radu-Dumitru Aburlăciței , Marcelin Benchea, Liviu Andrușcă, Adrian-Cristian Bujor "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering, Iasi, Romania (Mechanical engineering)
14.15-14.30	SOLAR-ASSISTED HEAT PUMP SYSTEMS FOR RESIDENTIAL HEATING	Sorin Jesutic , Aristotel Popescu



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	IN COLD CLIMATES: A TECHNICAL REVIEW	"Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering, Iasi, Romania (Mechanical engineering)
14.30-14.45	CAD/CAM APPROACHES FOR MACHINING A MECHANICAL PART ON A VERTICAL CNC MACHINING CENTER	Alexandru-Mihai Pinca-Bretotean ¹ , Cosmin Preda ² , Robert-Marian Bleotu ² ¹ "University Politehnica of Timișoara-Romania, Faculty of Mechanical Engineering, Timișoara, Romania ² " Lucian Blaga" University of Sibiu, Faculty of Engineering, Sibiu, Romania (Mechanical engineering)
14.45-15.00	PERTURBATION ANALYSIS OF KINEMATIC TRAJECTORIES USING FRACTAL DYNAMICS FOR THE DETECTION OF EXPERIMENTAL ERRORS IN PATIENTS WITH RHEUMATOID ARTHRITIS	Irina Duduca ^{1,2} , Marius Turnea ² , Mariana Rotariu ^{1,2} ¹ "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering, Iasi, Romania ² "Grigore T. Popa" University of Medicine and Pharmacy Iasi, Romania (Mechanical engineering)
15.00-15.15	STRUCTURAL RESPONSE OF A PROTECTIVE BRAKE SYSTEM SHIELD UNDER THERMAL AND DYNAMIC LOADING	Eugen-Ciprian Apricopoaie , Carmen Bujoreanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering, Iasi, Romania (Mechanical engineering)
15.15-15.30	KINEMATIC MODELING OF A SMALL-TOOTH-DIFFERENCE PLANETARY INVOLUTE REDUCER	Ovidiu-Vasile Crivoi ¹ , Cristina-Magda Cazacu ¹ , Ioan Doroftei ^{1,2,3} ¹ "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering, Iasi, Romania ² Technical Sciences Academy of Romania, Bucharest, Romania ³ Academy of Romanian Scientists, Bucharest, Romania (Mechanical engineering)
15.30-16.00	Coffee break	

Online Parallel Session 1.6: Thursday, 14 May, 16.00-17.30

Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management

Chairperson: Prof. dr. Leandru Gheorghe Bujoreanu

<https://meet.google.com/onr-orgp-mzo>

Time	Oral presentation	Authors
16.00-16.15	PHOSPHATE CONVERSION COATINGS FOR MAGNESIUM ALLOYS: A SHORT REVIEW	Vasile-Daniel Bunduc , Diana-Petronela Burduhos-Nergis, Alin-Marian Cazac, Costica Bejinariu



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		"Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Materials Science and Engineering, Iasi, Romania (Materials engineering)
16.15-16.30	EFFECT OF THERMAL TREATMENT TEMPERATURE ON SURFACE MORPHOLOGY AND ELECTROCHEMICAL BEHAVIOR OF COPPER FOILS	Simon Busuioc National Center for Materials Study and Testing, Technical University of Moldova, Chisinau, Republic of Moldova (Materials engineering)
16.30-16.45	MECHANISMS AND STRUCTURAL PERFORMANCE OF Fe-Mn-Si-Cr SHAPE MEMORY ALLOYS	Tatiana Leahu ¹ , Corneliu-Marius Crăciunescu ² , Leandru-Gheorghe Bujoreanu ¹ ¹ "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Materials Science and Engineering, Iasi, Romania ² The Polytechnic University of Timisoara, Faculty of Materials Science and Engineering, Timișoara, Romania (Materials engineering)
16.45-17.00	THE EFFECT OF POST-PROCESSING TECHNIQUES ON THE MECHANICAL PROPERTIES AND MICROSTRUCTURE OF AM-MG ALLOYS FOR BIOMEDICAL DEVICES	Ioana-Ilinca Volocaru "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering, Iasi, Romania (Materials engineering)
17.00-17.15	IN-SITU QUALITATIVE AND QUANTITATIVE ANALYSIS OF WELDED METALLIC MATERIALS USING OPTOELECTRONIC AND SPECTROMETRIC METHODS FOR WELDING PROCESS MONITORING	Florin-Sorin Todirică ¹ , Nicanor Cimpoeșu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Materials Science and Engineering, Iasi, Romania (Materials engineering)
17.15-17.30	ENHANCING THE TRIBOLOGICAL PERFORMANCE OF BIODEGRADABLE ZnCu AND ZnCuTi ALLOYS THROUGH SEVERE SHOT PEENING	Tiberiu Șutic , Nicanor Cimpoeșu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Materials Science and Engineering, Iasi, Romania (Materials engineering)

Online Parallel Session 2.6: Thursday, 14 May, 16.00-17.45

Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management

Chairperson: Prof. dr. Petru Dușa

<https://meet.google.com/smy-uwea-okt>

Time	Oral presentation	Authors
16.00-16.15	CONTROL STRATEGY AND SIMULINK IMPLEMENTATION FOR AN OMNIDIRECTIONAL ROBOT WITH OBSTACLE AVOIDANCE CAPABILITIES	Cosmin Preda ¹ , Robert-Marian Bleotu ¹ , Alexandru Mihai Pinca-Bretotean ² ¹ Lucian Blaga University of Sibiu, Machines and Industrial Equipment Department, Sibiu, Romania ² Politehnica University of Timisoara, Engineering and Management Department, Hunedoara, Romania (Industrial engineering)



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16.15-16.30	INTEGRATING SUSTAINABILITY INTO ROAD FREIGHT TRANSPORT COMPANIES IN THE REPUBLIC OF MOLDOVA: BETWEEN POLYCRISIS, COMPLIANCE AND COMPETITIVENESS	Liudmila Botnari Technical University of Moldova, Faculty of Economic Engineering and Business, Chișinău, Republic of Moldova (Industrial engineering)
16.30-16.45	MICROWAVE HEATING AND PHYSICAL PHENOMENA OF MICROWAVE HEATING OF MATERIALS – A REVIEW	Maria – Miruna Unguroiu , Elena Ene, Liviu – Daniel Ghiculescu National University of Science and Technology Politehnica Bucharest, Romania (Industrial engineering)
16.45-17.00	STRATEGIC FORECASTING METHODS FOR MICRO AND NANOTECHNOLOGIES	Elena Ene , Maria-Miruna Unguroiu National University of Science and Technology Politehnica Bucharest, Romania (Industrial engineering)
17.00-17.15	ESTIMATION OF MEASUREMENT ERRORS IN RADAR TRAJECTORIES USING THE LEAST SQUARES METHOD	Andrei Sidorov ¹ , Tatiana Igonina ² , Vladimir Keselman ² ¹ Alexandru Ioan Cuza University of Iasi, Faculty of Economics and Business Administration, Iasi, Romania ² RTU MIREA – Russian Technological University, Department of higher mathematics, Moscow, Russia (Industrial engineering)
17.15-17.30	THEORETICAL ESTIMATION OF TARGET DETECTION PROBABILITY IN SCANNING RADAR SYSTEMS	Andrei Sidorov ¹ , Tatiana Morozova ² , Viktoria Gelmiarova ² ¹ Alexandru Ioan Cuza University of Iasi, Faculty of Economics and Business Administration, Iasi, Romania ² RTU MIREA – Russian Technological University, Department of higher mathematics, Moscow, Russia (Industrial engineering)
17.30-17.45	COMPARATIVE EXPERIMENTAL EVALUATION OF A CURRENT TRANSFORMER AND A HALL EFFECT CURRENT PROBE USED FOR MONITORING ACTIVE ELECTRICAL POWER ABSORBED BY AC DRIVE MOTORS	Constantin-Gheorghe Mihai, Cristiana Bisoc (Grigoruta) , Mohammed Khdaif, Claudiu Grigoruta, Mihaita Horodincea „Gheorghe Asachi” Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Industrial engineering)

Online Parallel Session 3.6: Thursday, 14 May, 16.00-17.45

Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management

Chairperson: Prof. dr. Aristotel Popescu

<https://meet.google.com/amw-cdps-zga>

Time	Oral presentation	Authors
16.00-16.15	MOBILITY AND LOCOMOTION MECHANISMS FOR MOBILE ROBOTS – A REVIEW	Alin-Ștefan Diaconu ¹ , Ioan Doroftei ^{1,2,3} ¹ „Gheorghe Asachi” Technical University of Iasi, Faculty of Mechanical Engineering, Iasi, Romania ² Technical Sciences Academy of Romania, Bucharest, Romania



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		³ Academy of Romanian Scientists, Bucharest, Romania (Mechanical engineering)
16.15-16.30	MATHEMATICAL MODELING AND THERMODYNAMIC ANALYSIS OF STIRLING ENGINE PERFORMANCE	Andi Iulian Munteanu , Mario Homutescu "Gheorghe Asachi" Technical University of Iasi, Faculty of Mechanical Engineering, Iasi, Romania (Mechanical engineering)
16.30-16.45	ANALYTICAL MODELING AND ADVANCED EXPERIMENTAL ANALYSIS OF NATURAL FREQUENCIES IN PRINTED CIRCUIT BOARDS	Cosmin Bumbea , Carmen Bujoreanu "Gheorghe Asachi" Technical University of Iasi, Faculty of Mechanical Engineering, Iasi, Romania (Mechanical engineering)
16.45-17.00	DIRECT AND INVERSE POSITION KINEMATICS OF A 2-DOF ANKLE REHABILITATION PLATFORM	Vitalie Coadă ¹ , Ioan Doroftei ^{1,2,3} ¹ "Gheorghe Asachi" Technical University of Iasi, Faculty of Mechanical Engineering, Iasi, Romania ² Technical Sciences Academy of Romania, Bucharest, Romania ³ Academy of Romanian Scientists, Bucharest, Romania (Mechanical engineering)
17.00-17.15	A REVIEW ON TENDON-DRIVEN SOFT ROBOTS	Ion Ciumeica ¹ , Ioan Doroftei ^{1,2,3} ¹ "Gheorghe Asachi" Technical University of Iasi, Faculty of Mechanical Engineering, Iasi, Romania ² Technical Sciences Academy of Romania, Bucharest, Romania ³ Academy of Romanian Scientists, Bucharest, Romania (Mechanical engineering)
17.15-17.30	KINEMATIC MODELING OF AN H-BOT PICK-AND-PLACE MANIPULATOR	Constantin Puscasu ¹ , Ioan Doroftei ^{1,2,3} ¹ "Gheorghe Asachi" Technical University of Iasi, Faculty of Mechanical Engineering, Iasi, Romania ² Technical Sciences Academy of Romania, Bucharest, Romania ³ Academy of Romanian Scientists, Bucharest, Romania (Mechanical engineering)
17.30-17.45	A SHORT REVIEW ON PNEUMATICALLY ACTUATED SOFT GRIPPERS	Adrian Onea ¹ , Ioan Doroftei ^{1,2,3} ¹ "Gheorghe Asachi" Technical University of Iasi, Faculty of Mechanical Engineering, Iasi, Romania ² Technical Sciences Academy of Romania, Bucharest, Romania ³ Academy of Romanian Scientists, Bucharest, Romania (Mechanical engineering)



Friday, 15 May, 2026

PLENARY SESSION 3 (Online): Friday, 15 May, 9.30-11.30

Chairperson: Prof. dr. Carmen Teodosiu, Prof. dr. Gheorghe Grigoraș

9.30-10.10	Reproducible Computational Science	Prof. dr. CHRISTIAN GHIAUS Center for Energy and Thermal Sciences, INSA Lyon, France
10.10-10.50	Gas Hydrates Confined in High-Surface Area Materials: A Nature-Inspired Approach for Gas Storage and Separation	Prof. dr. JOAQUÍN SILVESTRE-ALBERO University of Alicante, Spain
10.50-11.30	Management and Controllability of Household Appliances	Prof. dr. GIANFRANCO CHICCO Dipartimento Energia "Galileo Ferraris", Politecnico di Torino, Italy
Link	https://meet.google.com/yug-ziuy-fxe	
11.30-11.45	Coffee break	

Onsite Session 1.7: Friday, 15 May, 11.45-13.45

Section 1. Interdisciplinary studies

Chairpersons: Prof. dr. Leandru Gheorghe Bujoreanu, Prof. dr. Cezar-Florin Catrinescu

Time	Oral presentation	Authors
11.45-12.00	SPECTRAL ANALYSIS OF METHYLENE BLUE SOLUTIONS TREATED WITH A GLIDING ARC PLASMA REACTOR	Bogdan-Andrei Pingescu , Daniel Asmarandei, Dragos Astanei, Oana Beniuga, Constantin-Razvan Beniuga, Radu Burlica "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
12.00-12.15	EXPERIMENTAL INVESTIGATION OF THE INFLUENCE OF ADDING SURFACTANTS ON THE PROPERTIES OF WATER-BASED TITANIUM OXIDE NANOFUID	George Cătălin Tofan "Gheorghe Asachi" Technical University of Iasi, Faculty of Materials Science and Engineering, Iasi, Romania (Materials engineering)
12.15-12.30	MECHANICAL AND TRIBOLOGICAL PERFORMANCE OF HYBRID METAL-COMPOSITE MATERIALS	Roxana Gabriela Hobjâlă , Vlada Ţisari, Alexandra Anamaria Sipridon, Ştefan Jureschi "Gheorghe Asachi" Technical University of Iasi, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Industrial engineering)
12.30-12.45	INFLUENCE OF VINEYARD ORGANIC BY-PRODUCT FERTILIZATION ON THE PHYSICO-CHEMICAL COMPOSITION AND SENSORY PROFILE OF RKATSITELI WINE	Wei Pang ¹ , Ecaterina Covaci ¹ , Mariana Godoroja ² ¹ Technical University of Moldova, Faculty of Food Technology Chisinau



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		² Technical University of Moldova, Faculty of Agricultural, Forestry and Environmental Sciences , Chisinau (Chemical engineering)
12.45-13.00	CURRENT TRENDS IN THE DEVELOPMENT OF COLD SURFACE PLASTIC HARDENING TOOLS	Cosmin-Gabriel Grădinaru , Gheorghe Nagiț, Nicolae-Răzvan Mititelu, Alexandru-Ionuț Irimia, Vasile Ermolai, Vlada Țisari "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Industrial engineering)
13.00-13.15	AN EXPERIMENTAL EVALUATION OF THE OPERATIONAL CAPABILITIES OF A DIAMOND-TIPPED COLD SURFACE HARDENING TOOL	Cosmin-Gabriel Grădinaru , Gheorghe Nagiț, Vlada Țisari, Vasile Ermolai, Alexandru Ionuț Irimia, Nicolae-Răzvan Mititelu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Industrial engineering)
13.15-13.30	EXPERIMENTAL RESULTS ON ELECTRICAL CONDUCTIVITY AND PH OF SEVERAL NANOCOLLOIDS WITH POLY-ETHYLENE GLYCOL AS A BASE FLUID	Nicoleta Cojocariu "Gheorghe Asachi" Technical University of Iasi, Faculty of Materials Science and Engineering, Iasi, Romania (Materials engineering)
13.30-13.45	THERMAL PERFORMANCE EVALUATION OF LIQUID COOLED AUTOMOTIVE ELECTRONIC CONTROL UNITS WITH DIFFERENT INTERNAL COOLING GEOMETRIES	Cristian Bisog , Ciprian Felea, Gheorghe Nagit "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Industrial engineering)
13.45-14.30	Lunch	

Onsite Session 2.7: Friday, 15 May, 14.30-16.15

Section 1. Interdisciplinary studies

Chairpersons: Prof. dr. Mihaiță Horodincă

Time	Oral presentation	Authors
14.30-14.45	BENDING TESTING OF RODS MADE FROM RECYCLED POLYMERIC MATERIAL	Adinda Hairil , Alexandra-Anamaria Spiridon, Liviu Andrușcă, Margareta Coteață, Oana Dodun-Des-Perrieres, Laurențiu Slătineanu "Gheorghe Asachi" Technical University of Iasi, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Industrial engineering)



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14.45-15.00	FROM COIN DEBASEMENT TO CRYPTO: THE EVOLUTION OF INFLATIONARY FORCES	Andrei Sidorov Alexandru Ioan Cuza University of Iasi, Faculty of Economics and Business Administration, Iasi, Romania
15.00-15.15	AI ETHICS MATURITY AS AN INNOVATION CAPABILITY IN UNIVERSITY TECHNOLOGY TRANSFER: A TRL/ERL-Based Conceptual Framework	Mihaela-Cristina PANAIT (căs. BAGHIU) "Gheorghe Asachi" Technical University of Iasi, Faculty of Industrial Design and Business Management, Iasi, Romania (Industrial engineering)
15.15-15.30	COMPARATIVE ANALYSIS OF DEEP LEARNING ARCHITECTURES FOR DEMAND FORECASTING WITHIN A DECENTRALIZED ECONOMIC MPC STRATEGY	Codrut-Alexandru Enea , Anca Maxim, Constantin Florin Căruntu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Systems engineering)
15.30-15.45	CROSS-DATASET GENERALIZATION OF WEARABLE SENSOR-BASED PARKINSON'S DISEASE DETECTION USING INTERPRETABLE MACHINE LEARNING	Andrei Stoleru "Gheorghe Asachi" Technical University of Iasi, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Computers and information technology)
15.45-16.00	ARCHITECTURAL TRADE-OFFS IN MODERN VULNERABILITY MANAGEMENT SYSTEMS UNDER DORA AND NIS2	Iryna Galchenko ¹ , Nicolae Razvan Mititelu ² ¹ National Technical University of Ukraine, Faculty of Informatics and Computer Engineering, Kyiv, Ukraine ² "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Computers and information technology)
16.00-16.15	ANALYSIS OF FACTORS AFFECTING THE GENERATION OF 3D MODELS THROUGH GENERATIVE DESIGN AND AI ALGORITHMS	Nicolae Razvan Mititelu ¹ , Cosmin Gabriel Gradinaru ¹ , Vasile Ermolai ¹ , Alexandru Ionut Irimia ¹ , Iryna Galchenko ² , Petru Dușa ¹ ¹ "Gheorghe Asachi" Technical University of Iasi, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania ² National Technical University of Ukraine, Faculty of Informatics and Computer Engineering, Kyiv, Ukraine (Industrial engineering)
16.30	CSD2026 Closing ceremony (Online/Onsite)	
Link	https://meet.google.com/xzs-nexp-nvk	



SOME KEY FIGURES:

- ✓ **171 papers**
- ✓ **6 plenary conferences**
- ✓ **participants from 10 countries (authors and co-authors)**
- ✓ **12 Romanian universities, 12 foreign universities**
- ✓ **3 branch Romanian Academies**
- ✓ **6 research and development Romanian institutes and agencies, 3 foreign research and development institutes and agencies**
- ✓ **2 companies**





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