

TUIASI
doctoral



**INTERNATIONAL
CONFERENCE OF
THE DOCTORAL SCHOOL**

"GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI, ROMANIA

6TH

INTERNATIONAL CONFERENCE OF THE DOCTORAL SCHOOL

CONFERENCE PROGRAMME

MAY, 17-19, 2023
IASI, ROMANIA

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



WWW.CONFERINTA-CSD.TUIASI.RO



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



**Welcome to CSD2023,
wishing you a successful
conference!**



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



6th International Conference of the Doctoral School

"Gheorghe Asachi" Technical University of Iasi

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

CONFERENCE PROGRAMME

May 17 – 19, 2023

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,

At its sixth edition, the International Conference of the Doctoral School at the "Gheorghe Asachi" Technical University of Iasi (TUIASI) aims to provide PhD students of the Doctoral Schools from Technical Universities in Romania and abroad with a favourable framework for communicating the results of their research, exchanging ideas and initiating new collaborations, refine their theoretical and methodological approaches, encouraging presentation and continuous development of interdisciplinary research. The three days' conference (17th-19th of May, 2023) consist of five panel sessions, where PhD students can present and discuss their research papers. The program of the conference will also include a number of plenary presentations held by prestigious professors from universities with which TUIASI has close collaborations.

The conference aims to bring together miscellaneous oral presentations dealing with relevant problems associated to the thirteen doctoral fields at the university: Chemistry; Computers and information technology; Chemical engineering; Civil engineering and installations; Electrical engineering; Electronic engineering, telecommunications and information technologies; Energetic engineering; Industrial engineering; Materials engineering; Mechanical Engineering; Environmental engineering; Systems engineering; Engineering and management.

Bridging the scientific doctoral fields, encouraging the innovation through interdisciplinary collaboration, and the orientation towards internationalization, this event can offer an intellectual intersection between disciplines in which new ideas and progress in science would appear. This way the doctoral programs can be implemented with a focus on training PhD students for research and acquiring a set of core competencies that will allow for the immediate transfer to social institutions in search of 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.

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

Welcome to CSD2023, wishing you a successful conference!

Honorary President,

Professor Dan CAȘCAVAL

Rector TUIASI



Conference committees

HONORARY PRESIDENT

Prof.dr. **Dan Cașcaval**, **RECTOR**, "Gheorghe Asachi" Technical University of Iasi, Romania

PRESIDENT

Prof.dr. **Alina-Adriana Minea**, "Gheorghe Asachi" Technical University of Iasi, Romania

CO-PRESIDENT

Prof.dr. **Maria Gavrilescu**, "Gheorghe Asachi" Technical University of Iasi, Romania

INTERNATIONAL SCIENTIFIC COMMITTEE

- Prof.dr. **Dominique Adolphe**, University Haute-Alsace, Mulhouse, France
- Prof.dr. **Giullia Loretta Batali**, Technical University of Civil Engineering of Bucharest, Romania
- Prof.dr. **Radu Gabriel Bozomitu**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Leandru-Gheorghe Bujoreanu**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Andrei Burlacu**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof. dr. **Simona Caraiman**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Gianfranco Chicco**, Polytechnic of Turin, Italy
- Prof. dr. **Iulian Aurelian Ciocoiu**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **António Cruz Serra**, Technical University of Lisbon, Portugal
- Prof.dr. **Antonela Curteza**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Pasquale Daponte**, University of Sannio, Italy
- Prof.dr. **Oana Dodun-Des-Perrieres**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Dan Eliezer**, Ben Gurion University of Negev, Beer-Sheva, Israel
- Prof.dr. **Lidia Gaiginschi**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Mihai Gavrilaş**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Liviu Goraş**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Nicolae Hurduc**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Horia Iovu**, University Politehnica Bucharest



- Prof.dr. **Dumitru Marcel Istrate**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Nicolas Kalogerakis**, Technical University of Crete, Chania, Greece
- Prof.dr. **Maria Carmen Loghin**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Irina Lungu**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Luis Lugo**, University of Vigo, Spain
- Prof.dr. **Antonio Marzocchella**, University Federico II, Naples, Italy
- Prof.dr. **Omid Mahian**, Xi'an Jiaotong University, China
- Conf.dr. **Petru Mihai**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Janus Mindykowski**, Gdynia Maritime University, Poland
- Prof.dr. **Corneliu Munteanu**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Sohel Murshed**, University of Lisbon, Portugal
- Prof.dr. **Octavian Păstrăvanu**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Doina Pîslă**, Technical University of Cluj-Napoca, Romania
- Prof.dr. **Radu-Emil Precup**, Politehnica University of Timișoara, Romania
- Prof.dr. **Alexandru Sălceanu**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof. dr. **Neculai Eugen Seghedin**, Gheorghe Asachi Technical University of Iasi, Romania
- Prof.dr. **Irina Volf**, Gheorghe Asachi Technical University of Iasi, Romania

EXECUTIVE COMMITTEE

- Prof.dr. **Maria Gavrilescu**
- Prof.dr. **Maricel Adam**
- Prof.dr. **Ioan Doroftei**
- Prof.dr. **Florin Leon**

SECRETARIAT

- Eng. **Cristina Nagiț**
- **Dr. Sabina-Nicoleta Rotenștein**
- PhD Student **Nicoleta Cojocariu (Section 1)** (nicoleta.cojocariu@student.tuiasi.ro)
- Lect.dr. **Andrei Donțu (Section 2)** (andrei-ionut.dontu@academic.tuiasi.ro)
- PhD Student **Iolanda Fusteș-Dămoc (Section 3)**
(iolanda.fustes-damoc@student.tuiasi.ro)
- PhD Student **Cosmin-Ionuț Gosav (Section 4)** (cosmin-ionut.gosav@student.tuiasi.ro)
- Assist.prof.dr. **Elena Ionela Cherecheș (Section 5)**
(elena-ionela.chereches@academic.tuiasi.ro)



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, MECTS 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 6th edition of the International Conference of the Doctoral School of IOSUD "Gheorghe Asachi" Technical University of Iasi (CSD2023), which is organized under the generic "**Excellence in Doctoral Studies through Innovation, Convergence and Interdisciplinarity**" is programmed during May 17-19, 2022 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 **10 minutes** would serve as visual aids that can enhance audience engagement and ensure a better understanding of your speech!

Contact persons:

Prof.dr. Maria Gavrilescu

mgav@tuiasi.ro; +40 745528184

Prof.dr. Alina-Adriana Minea

alina-adriana.minea@academic.tuiasi.ro



GENERAL CSD2023 CONFERENCE PROGRAM

Wednesday, 17 May, 2023

Time	Event
9.00-9.25	Opening ceremony (Online)
9.30-10.10	Plenary Conference 1 (Online)
10.10-10.50	Plenary Conference 2 (Online)
Link	meet.google.com/nko-gsuz-dom
10.50-12.00	Coffee break and Chat
12.00-13.45	Onsite Interdisciplinary Session 1
13.45-14.30	Lunch
14.30-16.15	Onsite Interdisciplinary Session 2
16.15-16.30	Coffee break
16.30-19.30	Onsite Interdisciplinary Session 3

Thursday, 18 May, 2023

Time	Event
9.30-10.10	Plenary Conference 3 (Online)
10.10-10.50	Plenary Conference 4 (Online)
Link	meet.google.com/fff-gtwi-pqk
10.50-11.15	Coffee break



11.15-13.30	<p>Online Parallel Session 1.1</p> <p>Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management</p>	<p>Online Parallel Session 2.1</p> <p>Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management</p>	<p>Online Parallel Session 3.1</p> <p>Section 2. Computers and information technology; Systems engineering Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology</p>	<p>Online Parallel Session 4.1</p> <p>Section 4. Civil engineering and installations</p>
Link	meet.google.com/kwb-huhw-eop	meet.google.com/ukm-deiv-qcw	meet.google.com/mdb-dgmf-cpi	meet.google.com/sku-uciz-dtx
13.30-14.00 Lunch				
14.00-16.15	<p>Online Parallel Session 1.2</p> <p>Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management</p>	<p>Online Parallel Session 2.2</p> <p>Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management</p>	<p>Online Parallel Session 3.2</p> <p>Section 2. Computers and information technology; Systems engineering Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology</p> <p>Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management</p>	<p>Online Parallel Session 4.2</p> <p>Section 4. Civil engineering and installations</p>
Link	meet.google.com/kwb-huhw-eop	meet.google.com/dzm-rtdd-nro	meet.google.com/mw-ecuu-shk	meet.google.com/sku-uciz-dtx
16.15-16.30 Coffee break				



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



16.30-19.00	Online Parallel Session 1.3 Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management	Online Parallel Session 2.3 Section 3. Chemistry; Chemical engineering; Environmental engineering	Online Parallel Session 3.3 Section 2. Computers and information technology; Systems engineering Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology	Online Parallel Session 4.3 Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management
Link	meet.google.com/afo-ofde-uuu	meet.google.com/gem-jquq-tjk	meet.google.com/aij-gnac-etd	meet.google.com/ohv-urqj-rvs

Friday, 19 May, 2023

Time	Event
9.30-10.10	Plenary Conference 5 (Online)
10.10-10.50	Plenary Conference 6 (Online)
Link	meet.google.com/fff-gtwi-pqk

10.50-11.00	Coffee break
--------------------	---------------------

11.15-13.00	Online Parallel Session 1.4 Section 2. Computers and information technology; Systems engineering Electrical engineering; Energy engineering; Electronic engineering, telecommunications and information technology	Online Parallel Session 2.4 Section 3. Chemistry; Chemical engineering; Environmental engineering
Link	meet.google.com/vti-aioz-vka	meet.google.com/tuo-xgeu-eef

13.00-13.15	Coffee break
--------------------	---------------------



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



13.15-14.30	Online Parallel Session 1.5 Section 5. Mechanical engineering; Industrial engineering; Materials engineering; Engineering and management	Online Parallel Session 2.5 Section 3. Chemistry; Chemical engineering; Environmental engineering
Link	meet.google.com/oos-npwc-hbu	meet.google.com/uou-eywk-wsu
15.00-15.30	Closing ceremony (Online)	
Link	meet.google.com/doe-zovt-vjj	



CSD2023 DETAILED CONFERENCE PROGRAM

Wednesday, 17 May, 2023

Time	Event	
9.00-9.25	Opening ceremony (Online)	
	Prof.dr. Alina-Adriana Minea	Director of the Council for Doctoral Studies, "Gheorghe Asachi" Technical University of Iasi, Romania President of CSD2023
	Prof.dr. Dan Cașcaval	Rector of the "Gheorghe Asachi" Technical University of Iasi, Romania Honorary President of CSD2023
	Prof.dr. Irina Lungu	Vice-Rector International Affairs at the "Gheorghe Asachi" Technical University of Iași
	Prof.dr. Maria Gavrilescu	Director of the Doctoral School, "Gheorghe Asachi" Technical University of Iasi, Romania Co-President of CSD2023
	Prof.dr. Alina-Adriana Minea	The official opening of CSD2023
Link	meet.google.com/nko-gsuz-dom	

PLENARY SESSION 1 (Online): Wednesday, 17 May, 9.30-10.50

Chairperson: Prof.dr. Alina-Adriana Minea

9.30-10.10	Limitations of the knowledge process at the beginning of the 3rd Millennium	Prof.dr. Nicolae HURDUC "Gheorghe Asachi" Technical University of Iasi, Romania
10.10-10.50	Sustainability in geotechnical engineering. General overview and some local examples	Prof.dr. Loretta-Giulia BATALI Technical University of Civil Engineering, Bucharest, Romania
Link	meet.google.com/nko-gsuz-dom	
10.50-12.00	Coffee break and Chat	



Onsite Interdisciplinary Session 1: Wednesday, 17 May, 12.00-13.45

"Cristea Niculescu-Otin" Conference Hall

Chairpersons: Prof.dr. Alina Adriana Minea, Prof.dr. Dumitru Marcel Istrate

Time	Oral presentation	Authors
12.00-12.15	Industrial communication within low voltage circuit breakers	Silviu Marian Antohi , Maricel Adam, Alin Dragomir "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering)
12.15-12.30	Simulation and control of a nine phase induction machine used in propulsion system for electric and hybrid vehicles	Iulian Balan , Alexandru-Iulian Timofte, Alexandru Sălceanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering)
12.30-12.45	Model based design used in teaching of BLDC control	Iulian Balan , Alexandru-Iulian Timofte, Silvia-Nicoleta Plăcintă, Vasile Horga, Alexandru Sălceanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
12.45-13.00	Nanofluids: an overview on thermophysical properties	Nicoleta Cojocariu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering, Iași, Romania (Materials engineering)
13.00-13.15	Comparison of different continuous wavelet transform families for EEG-based emotion recognition and classification	Betina-Mihaela Melinte , Liviu Goraș "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iași, Romania (Electronic engineering, telecommunications and information technology)
13.15-13.30	Modernizing the rural-inspired epic: the intrusion of the mythic and the fantastic into the prose of a rarefied realism	Georgiana Elisabeta Panait (Baciu) University "Dunarea de Jos" of Galati, Romania (Social and human sciences)
13.30-13.45	Career-making, a motivation factor in private Romanian companies	Diana Geantimir , Luminița Mihaela Lupu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
13.45-14.30	Lunch	



Onsite Interdisciplinary Session 2: Wednesday, 17 May, 14.30-16.15

"Cristea Niculescu-Otin" Conference Hall

Chairpersons: Prof.dr. Maria Gavrilescu, Prof.dr. Neculai Eugen Seghedin

Time	Oral presentation	Authors
14.30-14.45	Detection of high CH ₄ concentrations at natural gas end-use distribution networks in urban areas	Hmoudah Mustafa , Călin Baci, Cristian Pop Babeș-Bolyai University of Cluj-Napoca, Faculty of Environmental Science and Engineering, 30 Fantanele Street, Cluj-Napoca, Romania (Environmental engineering)
14.45-15.00	Textile waste decontamination in the recycling process	Andreea Nistorac, Alexandra Bodoga , "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Industrial engineering)
15.00-15.15	Analysis of biodegradable ZnMgY alloy as potential implant material for necessary medium period healing time	Cătălin Panaghie , Nicanor Cimpoesu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Material Science and Engineering, Iasi, Romania (Materials engineering)
15.15-15.30	Upcycling in fashion – a literature review	Lavinia Maria Popa , Antonela Curteza "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Industrial engineering)
15.30-15.45	Review of vibroacoustic methods used in the diagnosis of knee joint arthrosis	Denisa Șmadici , Viorel Paleu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Mechanical Engineering, Iasi, Romania (Mechanical engineering)
15.45-16.00	Analysis of the application of environmental certification in the tourism industry in developing countries	Raluca-Maria Tâbuleac , Maria Gavrilescu "Gheorghe Asachi" Technical University of Iasi, "Cristofor Simonescu" Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania (Environmental engineering)
16.00-16.15	Revolutionizing heat transfer: exploring the latest advances in graphene nanofluids research	Liviu-Ioan Zupcu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering, Iasi, Romania (Materials engineering)
16.15-16.30	Coffee break	



Onsite Interdisciplinary Session 3: Wednesday, 17 May, 16.30-19.30

"Cristea Niculescu-Otin" Conference Hall

Chairpersons: Prof.dr. Alina-Adriana Minea, Prof.dr. Irina Lungu

Time	Oral presentation	Authors
16.30-16.45	Islanded operation of industrial power systems for safe shutdown of industrial processes	Florin-Constantin Baiceanu , Daniel Munteanu, Ovidiu Ivanov, Ciprian-Mircea Nemes, Bogdan-Constantin Neagu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering)
16.45-17.00	Neural network classifier based gaze detector	Gabriel Bonteanu , Petronela Bonteanu, Arcadie Cracan, 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)
17.00-17.15	Numerical study on PEG 400-based materials enhanced with oxide nanoparticles	Elena Ionela Chereches , Alina Adriana Minea "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering, Iași, Romania (Materials engineering)
17.15-17.30	A comparison of ranking methods used in multiobjective optimization for feature selection in EEG signals	Corina Cîmpanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Automatic Control and Computer Engineering, Iași, Romania (Computers and information technology)
17.30-17.45	Coalitional control based on optimal feedback gain matrix strategy for vehicle platooning	Anca Maxim , Ovidiu Pauca, Constantin-Florin Caruntu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Automatic Control and Computer Engineering, Iași, Romania (Systems engineering)
17.45-18.00	Study of the low frequency magnetic field generated by the transformer stations in the residential environment	Ionel Pavel , Valeriu David "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
18.00-18.15	Transient CFD simulation of patient breathing in the operating room	Florin-Emilian Turcanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Civil Engineering and Building Services, Iași, Romania (Civil engineering and installations)



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



18.15-18.30	Electrical equipment condition monitoring	Alin Dragomir , Maricel Adam, Silviu Marian Antohi "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
18.30-18.45	Mechanical behavior of cement mortar modified with bentonite and titanium dioxide nanoparticles	Georgiana Bunea , Sergiu-Mihai Alexa-Stratulat, Ionut-Ovidiu Toma, Petru Mihai "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Civil Engineering and Building Services, Iași Romania (Civil engineering and installations)
18.45-19.00	On the impact of a classification model in EEG feature selection for cognitive load assessment	Corina Cîmpanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Computers and information technology)
19.00-19.15	Cultural and creative industries in the north-eastern region of Romania: an analysis of the creative economy	Adriana Bujor "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
19.15-19.30	A comparative study for DC-DC converter output capacitor Bank's general reliability evaluation using MIL-HDBK-217F and Telcordia SR-332 prediction standards	Dan Butnicu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iasi, Romania (Electronic engineering, telecommunications and information technology)



Thursday, 18 May, 2022

PLENARY SESSION 2 (Online): Thursday, 18 May, 9.30-10.50

Chairperson: **Prof.dr. Maria Gavrilescu**

9.30-10.10	Additive manufacturing technology – the bridge between prototyping and industry	Prof.dr. Alexandru SOVER Ansbach University of Applied Sciences, Germany
10.10-10.50	Radio front-end architectures: new findings and paradigms	Assoc.Prof.dr. Florin Doru HUȚU National Institute of Applied Sciences of Lyon, France
Link	meet.google.com/fff-gtwi-pqk	
10.50-11.15	Coffee break	

Online Parallel Session 1.1: Thursday, 18 May, 11.15-13.30

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

Chairperson: **Prof.dr. Leandro Gheorghe Bujoreanu**

meet.google.com/kwb-huhw-eop

Time	Oral presentation	Authors
11.15-11.30	New advanced titanium alloy research and development for medical applications	Mădălina Simona Bălțatu , Marius Albert Mazilu, Mihai Tofan, Claudiu Vasile Ciubotaru, Petrică Vizureanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering, Iasi, Romania (Materials engineering)
11.30-11.45	The importance of surface activation in the chemical conversion process	Diana-Petronela Burduhos-Nergis , Petru Lazar, Costica Bejinariu, Nicanor Cimpoeșu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering, Iasi, Romania (Materials engineering)
11.45-12.00	Evaluation of experimental Fe-Mn based alloys as biodegradable materials	Ana-Maria Roman , Nicanor Cimpoeșu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering, Iasi, Romania (Materials engineering)
12.00-12.15	Analysis of the possibility of usage ceramic thermal barrier coatings for Inconel 718	Ionuț Adomniței , Nicanor Cimpoeșu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering, Iasi, Romania (Materials engineering)



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



12.15-12.30	Phosphate coatings suitable for steel rebars used for reinforced concrete	Petru Lazăr , Alin Marian Cazac, Manuela Cristina Perju, Leandru Gheorghe Bujoreanu, Costică Bejinariu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering, Iasi, Romania (Materials engineering)
12.30-12.45	Investigation on brake pad wear emissions	Cătălin Osoeanu , Daniela Lucia Chicet, Nicanor Cimpoesu, Costică Bejinariu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering, Iasi, Romania (Materials engineering)
12.45-13.00	Characteristics of stainless steel used for personal protective equipment in the food industry	George Daniel Tanasievici , Alin Marian Cazac, Nicanor Cimpoesu, Costica Bejinariu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering, Iasi, Romania (Materials engineering)
13.00-13.15	Hard friction testing of the sparking characteristics of a CuAlBe alloy in an explosive atmosphere	Romeo Gabriel Chelariu , Nicanor Cimpoesu, Petrica Vizureanu, Costică Bejinariu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering, Iasi, Romania (Materials engineering)
13.15-13.30	Identification of defects on stainless steels cutting knives used in woodworking industry	Sebastian Mistreanu , Ramona Cimpoesșu, Oana Rusu, Daniela Lucia Chicet, Vasile Manole, Nicanor Cimpoesșu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering, Iasi, Romania (Materials engineering)
13.30-14.00	Lunch	

Online Parallel Session 2.1: Thursday, 18 May, 11.15-13.15

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

Chairperson: Prof.dr. Rodica Harpa

meet.google.com/ukm-deiv-qcw

Time	Oral presentation	Authors
11.15-11.30	Apparel consumer's comprehension towards sustainability	Irina-Elena Marin , Victoria Bocancea, Maria-Carmen Loghin "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management (Industrial engineering)



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



11.30-11.45	State of subjective and objective evaluation of textile protective materials and transposing their properties into a digital library	Victoria Bocancea , Maria Carmen Loghin "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management (Industrial engineering)
11.45-12.00	Greenwashing in fashion: misleading sustainable practices	Iuliana Streba, Antonela Curteza "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management (Industrial engineering)
12.00-12.15	Embroidery technology for e-textiles	Andreea Talpă , Maria Carmen Loghin, Alice Mătășel "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management (Industrial engineering)
12.15-12.30	Factors of influence in organizational performance – digitization	Marius Teodor Grămăticu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management (Engineering and management)
12.30-12.45	Hybrid models based on artificial intelligence for maintenance management	Adrian Vilcu , Mădălina Laura Veleşcu, Ștefana Cătălina Pohonțu-Dragomir "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management (Engineering and management)
12.45-13.00	The accessibility of the application of effective medical care through adapted clothing products	Danila Victoria "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management (Industrial engineering)
13.00-13.15	Modulating fabrics stiffness - investigation of cellulose structure surface modification	Claudia Iuliana Udrescu ¹ , Carmen Maria Loghin ¹ , Savin-Dorin Ionesi ¹ , Roberto Pisano ² ¹ "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management ² Politecnico di Torino, Italy (Industrial engineering)
13.15-14.00	Lunch	



Online Parallel Session 3.1: Thursday, 18 May, 11.15-13.00

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

Chairperson: Prof.dr. Alexandru Sălceanu

meet.google.com/mdb-dgmf-cpi

Time	Oral presentation	Authors
11.15-11.30	A novel sensorless control of a hybrid excited synchronous machine used in the field of electric traction	Alexandru-Iulian Timofte , Iulian Balan, Vasile Horga, Alexandru Sălceanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
11.30-11.45	Model Based Design used in teaching of BLDC Control	Iulian Bălan , Alexandru-Iulian Timofte, Silvia-Nicoleta Plăcintă, Vasile Horga, Alexandru Sălceanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
11.45-12.00	Approaches to the development of a virtual electric machine laboratory in Matlab&Simulink	Petronela-Camelia Oprea , Alexandru Sălceanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
12.00-12.15	Analysis of screen-printed electrodes' architectures based on electric field numerical simulation and modelling	Tudor-Alexandru Filip , Ina Turcan, Marius-Andrei Olariu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
12.15-12.30	Development of a programmable system used for the preparation of a mixture of flammable/explosive gases	Adrian Bogdan Simon-Marinică , Nicolae-Ioan Vlasin, Gheorghe-Daniel Florea, Zoltan Vass University of Petroșani, Romania (Systems engineering)
12.30-12.45	Research on methods and techniques for the implementation of driver attention evaluation systems	Ionel Vrânceanu , Cristian Foșalău "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
12.45-13.00	Approaches to the processing and segmentation of non-electrical biological signals	Robert Fuior "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Electrical engineering)
13.00-14.00	Lunch	



Online Parallel Session 4.1: Thursday, 18 May, 11.15-13.30

Section 4: Civil engineering and installations

Chairperson: Assoc.Prof.dr. Petru Mihai

meet.google.com/sku-uciz-dtx

Time	Oral presentation	Authors
11.15-11.30	Evaluating the environmental sustainability of soil improvement techniques: A comprehensive analysis of eco-cement, biopolymer, GGBF slag, bioremediation and phytoremediation approaches	Zakaria Owusu Yeboah , Andreea-Vasilica Dascălu, Mircea Aniculaiesei "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering, Iasi, Romania (Civil engineering and installations)
11.30-11.45	State of the art review of cementitious engineered composites	Marius-Constantin Artenie Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering, Iasi, Romania (Civil engineering and installations)
11.45-12.00	Research on the national and international use of steel slag	Andreea Monoranu , Gheorghe Gugiuman Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering, Iasi, Romania (Civil engineering and installations)
12.00-12.15	The modulus of elasticity of concrete and microconcrete with microsilica or fly ash and addition of fibers	Sabina Scripcă , Marinela Bărbuță Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering, Iasi, Romania (Civil engineering and installations)
12.15-12.30	Improvement measures objective visibility on roads	Irina-Cristina Rusu-Ungureanu Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering, Iasi, Romania (Civil engineering and installations)
12.30-12.45	Sustainable development criteria evaluation of existing permanent reservoirs, by applying the IHA protocol to Cincis dam, Hunedoara, Romania	Camelia Teau , Ioana Popescu Politechnica University of Timisoara, Faculty of Hydrotechnics, Timisoara, Romania (Civil engineering and installations)
12.45-13.00	Theoretical and numerical analysis regarding cooling thermal photovoltaic panels with water	Marius Alexa , Nicolae Țăranu, Sebastian Valeriu Hudișteanu, Nelu Cristian Cherecheș, Florin Emilian Țurcanu Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering, Iasi, Romania (Civil engineering and installations)
13.00-13.15	Thermal conductivity during aging for mortar containing perlite	Sergiu-Mihai Stratulat , Georgiana Bunea, Dan Covatariu, Ionut-Ovidiu Toma, Florin Leon, Petru Mihai Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering, Iasi, Romania (Civil engineering and installations)
13.15-13.30	Investigations regarding concrete mixes suitable for 3D printing	Alexandru Panțiru , Marinela Bărbuță, L.I. Diaconu, M. Rujanu, A.C. Diaconu Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering, Iasi, Romania



	(Civil engineering and installations)
13.30-14.00	Lunch

Online Parallel Session 1.2: Thursday, 18 May, 14.00-16.15

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

Chairperson: Prof.dr. Leandru Gheorghe Bujoreanu

meet.google.com/kwb-huhw-eop

Time	Oral presentation	Authors
14.00-14.15	Analysis the possibility to obtain Shape Memory Alloys from powders using solar energy	Ana-Maria Hlipcă (Scripcariu) , Nicanor Cimpoeșu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering (Materials engineering)
14.15-14.30	Research on biodegradable materials based on ZnMgTi	Alexandra-Tamara Sutic , Ana-Maria Roman, Romeu Chelariu, Nicanor Cimpoeșu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering (Materials engineering)
14.30-14.45	Novel nano-active reinforcement matrix – case study, carbon oxides	Elena Basalic , Daniel Lepădatu , Cosmin Petru Mocanu Basalic , Raluca Florea, Nicanor Cimpoeșu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering (Materials engineering)
14.45-15.00	The use of nano and microparticles in shielding materials against ionizing radiation	Jolanta Sobczak , Gawel Zyla Doctoral School of the Rzeszów University of Technology, 12 Powstańców Warszawy Street, 35-959, Rzeszów, Poland Department of Physics and Medical Engineering, The Faculty of Mathematics and Applied Physics, 6 Powstańców Warszawy, Poland (Materials engineering)
15.00-15.15	Experimental study of the shape memory effect in the case of a NITI alloy wire subjected to stretching with variable loads	Adrian Petru Teodoriu , Ioan Doroftei, Leandru Gheorghe Bujoreanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering (Materials engineering)
15.15-15.30	Electrochemical measurements on archaeological iron. A comparative study for various methods of their conservation and restoration	Ilie Cojocariu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering (Materials engineering)
15.30-15.45	Studies of the thin layers of W and Ti deposited on tools steel	Mihai-Ionut Ginju , Petrică Vizureanu, Dragoș-Cristian Achiței "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering (Materials engineering)



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



15.45-16.00	Emphasizing shape memory effect in filaments and 3d printed specimens of recycled polyethylene glycol	Ștefan Dumitru Sava , Nicoleta Monica Lohan, Bogdan Pricop, Radu-Ioachim Comănesci, Leandru Gheorghe Bujoreanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering (Materials engineering)
16.00-16.15	Mechanical performance of fly ash blended geopolymer composite reinforced with recycled glass fibers	Dumitru Doru Burduhos-Nergis , Petrica Vizureanu, Andrei Victor Sandu, Nicanor Cimpoeșu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering (Materials engineering)
16.15-16.30	Coffee break	

Online Parallel Session 2.2: Thursday, 18 May, 14.00-16.00

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

Chairperson: Prof.dr.Daniela Popescu

meet.google.com/dzm-rtdd-nro

Time	Oral presentation	Authors
14.00-14.15	Methodology for creating a computer program for structuring the reconstruction technologies by laser welding of the metal moulds	Florin Dimitriu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management (Industrial engineering)
14.15-14.30	Analysis of some design parameters and constructive solutions for coaxial magnetic gears	Gheorghe Galmadi "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management (Industrial engineering)
14.30-14.45	Study of cavity on naval propellers. Penetrated blade propeller - review	Adrian Aldea , Dumitru Nedelcu, Constantin Cărăușu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management (Industrial engineering)
14.45-15.00	Experimental model for the study of magnetic gears with Neodymium permanent magnets	Laurentiu Cretu , Cristian Cojocaru, Laurentiu Larco "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management (Industrial engineering)
15.00-15.15	Perspective on the motivational theories in organizations	Rebecca Ana Maria Chiriță , Cristina - Elena Ungureanu, Ioana-Alexandra Sbircea University Politehnica of Bucharest, Doctoral School of Entrepreneurship, Business Engineering and Management (Industrial engineering)



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



15.15-15.30	Theoretical research into quality impact on manufacturing organizations	Ioana-Alexandra Sbîrcea , Cristina - Elena Ungureanu, Rebecca Ana Maria Chiriță University Politehnica of Bucharest, Doctoral School of Entrepreneurship, Business Engineering and Management, Bucharest, Romania (Industrial engineering)
15.30-15.45	Applications of Axiomatic Design in the project management of new product development – current state	Mihaela Nicolau "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Industrial engineering)
15.45-16.00	The influence of some factors on the density of spherical parts obtained from polymeric composite materials through 3D printing	Adelina Hrițuc , Laurențiu Slătineanu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Machine Manufacturing and Industrial Management, Iasi, Romania (Industrial engineering)
15.45-16.30	Coffee break	

Online Parallel Session 3.2: Thursday, 18 May, 14.00-16.15

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

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

Chairperson: Prof.dr. Dumitru Marcel Istrate

meet.google.com/dmw-ecuu-shk

Time	Oral presentation	Authors
14.00-14.15	Data mining in advanced metering infrastructure to identify the consumption patterns and behaviors of the residential end-users	Răzvan Livadariu , Gheorghe Grigoraș "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Energy engineering)
14.15-14.30	Application of deep learning in power system security assessment	Alin-Ionuț Pricop , Mihai Gavrița "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Energy engineering)
14.30-14.45	Target load profiles for demand response strategies	Mihaela Năstase , Mihai Gavrița, Ovidiu Ivanov, Bogdan Constantin Neagu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Energy engineering)
14.45-15.00	A clustering-based efficient framework for voltage quality pattern recognition in microgrids	Ștefania Gălbău , Constantin Zetu, Gheorghe Grigoraș "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iași, Romania (Energy engineering)



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



15.00-15.15	Approaching of the line concentrated contact as a quarter space problem - A review	Alina Iovan-Dragomir , Crețu Spiridon "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Mechanical Engineering (Mechanical engineering)
15.15-15.30	Walking robot leg based on the Scotch Yoke mechanism	Claudia-Ana Morar , Ioan-Alexandru Doroftei, Ioan Doroftei, Marius Hăgan "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Mechanical Engineering (Mechanical engineering)
15.30-15.45	Energy recovery from ICE waste heat using thermoelectric generators	Tudor Iavnic , Dragoș Puiu, Aristotel Popescu "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Mechanical Engineering (Mechanical engineering)
15.45-16.00	Soft robotics – a survey of the state of the art	Adrian Onea , Ioan Doroftei "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Mechanical Engineering (Mechanical engineering)
16.00-16.15	High-order derivatives of serial manipulator Jacobians using multidual differentiation transform	Mihail Cojocari , Daniel Condurache "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Mechanical Engineering (Mechanical engineering)
16.00-16.30	Coffee break	

Online Parallel Session 4.2: Thursday, 18 May, 14.00-16.15

Section 4: Civil engineering and installations

Chairperson: Assoc.Prof.dr. Petru Mihai

meet.google.com/sku-uciz-dtx

Time	Oral presentation	Authors
14.00-14.15	Evaluation of the functionality of metropolitan areas in Romania	Veronica Muraru , Florian Stătescu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)
14.15-14.30	Studies regarding the safety in operation of the Hălțeni Reservoir, Iași County, Romania	Ioan Bălan , Ion Giurma "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)
14.30-14.45	Use of drones with thermal camera-case studies	Alexandru Postăvaru , Catrinel-Raluca Giurma-Handley "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



14.45-15.00	Impact of water management works on the morphology of rivers	Petronel Ionuț Romanescu , Luca Mihail "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)
15.00-15.15	Research on the application of systematic cadastre in the rural area of Romania	Iustina Gabriela Ignat , Mihail Luca "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)
15.15-15.30	Research on erosion factors on the lower course of the Voronet River	Petru-Daniel Brănianu , Mihail Luca "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)
15.30-15.45	Piatra-Neamț water supply system: general presentation and efficiencies	Andrei Păvăleanu , Catrinel-Raluca Giurma-Handley "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Iasi, Romania (Civil engineering and installations)
15.45-16.00	Seismic behavior, particularities of use of flat slab structures compared to structures with a classic skeleton	Anatolie Sili "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering, Iasi, Romania (Civil engineering and installations)
16.00-16.15	Displacement control systems in civil engineering	Cosmin-Petru Mocanu-Basalic , Septimiu George Luca, Petru Mihai "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Civil Engineering, Iasi, Romania (Civil engineering and installations)
16.15-16.30	Coffee break	

Online Parallel Session 1.3: Thursday, 18 May, 16.30-18.45

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

Chairperson: Prof.dr.Aristotel Popescu

meet.google.com/afo-ofde-uuu

Time	Oral presentation	Authors
16.30-16.45	Design and development of cooling systems for PV cells performance improvement	Eduard Enășel , Ana Georgiana Lupu, Gheorghe Dumitrașcu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering (Mechanical engineering)
16.45-17.00	Body stiffness influence on vehicle hood modal response- a general overview	Valerian Pinzaru "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering (Mechanical engineering)



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



17.00-17.15	A study on the influence of thermal interface material in passively cooled electrical components with attached heatsink	George-Gabriel Chiriac , Cătălin Gabriel Dumitraș, Ionuț Mertic "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering (Mechanical engineering)
17.15-17.30	Analysis of an impact on a 16-ply panel with aramid fiber yarns	Larisa Chiper Titire , George Ghiocel Ojoc, Lorena Deleanu "Dunărea de Jos" University of Galati, Faculty of Engineering, Galați, Romania (Mechanical engineering)
17.30-17.45	Experimental studies on hybrid solar systems	Alexandru Radu , Konstantinos Papakostas, Ana-Georgiana Lupu, Aristotel Popescu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering; School of Mechanical Engineering, Aristotle University of Thessaloniki, Greece (Mechanical engineering)
17.45-18.00	Study of the absorption coefficient of sound absorbing panels used in road traffic	Elena-Adelina Chiriac "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering (Mechanical engineering)
18.00-18.15	Finite difference method for solving the two-dimensional Laplace equation in curvilinear coordinates	Gabriel-Dumitru Tcaciuc , Aristotel Popescu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering (Mechanical engineering)
18.15-18.30	Types of loads on bridges - general review and vehicles loads	Adi-Mihăiță Velniciuc "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering (Mechanical engineering)
18.30-18.45	Assessing residual stresses in metallic test samples using radial cuts: a novel approach	Ionel Iulian Hurja , Paul Doru Barsanescu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Mechanical Engineering (Mechanical engineering)

Online Parallel Session 2.3: Thursday, 18 May, 16.30-18.45

Section 3. Chemistry; Chemical engineering; Environmental engineering

Chairperson: Assoc.Prof.dr. Brîndușa Mihaela Slușer

meet.google.com/gem-jquq-tjk

Time	Oral presentation	Authors
16.30-16.45	Potential source identification of NO ₂ and comparison between modelling results and in-situ monitoring data: Case study street road networks (SRN) of Kigali City, Rwanda	Elisephane Irankunda ¹ , Zoltán Török ¹ , Alexandru Mereuță ¹ , Alexandru Ozunu ¹ , Jimmy Gasore ² , Egide Kalisa ³ , Beatha Akimpaye ⁴ , Theobald Habineza ⁵ , Olivier Shyaka ⁵ , Gaston Munyampundu ⁵ ¹ University of Babeș-Bolyai of Cluj-Napoca, Faculty of Environmental Science and Engineering, Cluj-Napoca, Romania



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



		² University of Rwanda, Department of Physics, Kigali, Rwanda ³ University of Rwanda, Department of Biology, Kigali, Rwanda ⁴ The Rwanda Environment Management Authority, Division of Environmental Compliance and Enforcement, Kigali Rwanda ⁵ Rwanda Space Agency, Department of Technical Expert, Kigali Rwanda (Environmental engineering)
16.45-17.00	Preliminary anti-corrosive study of <i>Rhus typhina</i> L.	Denisa-Ioana Gheorghe¹ , Ecaterina Matei ¹ , Sorin-Marius Avramescu ² ¹ University Politehnica of Bucharest, Doctoral School "Biotechnical Systems Engineering", Bucharest, Romania ² University of Bucharest, Research Center for Environmental Protection and Waste Management, Bucharest, Romania (Environmental engineering)
17.00-17.15	Separate collection of recyclable waste - an early stage in meeting the municipal solid waste targets	Dorina Petrișor^{1,2} , Raluca Mateescu ^{1,2} , Carmen Teodosiu ¹ ¹ "Gheorghe Asachi" Technical University of Iasi-Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania ² ADI Ecodolj, Craiova, Romania (Environmental engineering)
17.15-17.30	A short review on urban air pollution and innovative bioremedial approaches	Adrian Cătălin Toma , Irina Volf "Gheorghe Asachi" Technical University of Iasi-Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Environmental engineering)
17.30-17.45	Air pollution evaluation, and environmental impacts and associated risks assessments	Ioana Tanasă , Dumitru Botan, Eduard Străinu, Brîndușa Slușer "Gheorghe Asachi" Technical University of Iasi-Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Environmental engineering)
17.45-18.00	Establishing the optimum conditions for the retention of phosphate ions by marine green algae (<i>Ulva intestinalis</i>) biomass	Loredana Munteanu , Gabriela Antoaneta Apostolescu, Laura Bulgariu "Gheorghe Asachi" Technical University of Iasi-Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Environmental engineering)
18.00-18.15	Optimization of experimental conditions for Cr(VI) biosorption from aqueous solutions on rapeseed biomass	Teodora – Daniela Arsenie (Ionel) , Laura Bulgariu "Gheorghe Asachi" Technical University of Iasi-Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Environmental engineering)



18.15-18.30	Performance of some new hybrid coagulants-flocculants in treatment of industrial wastewater	Marius Alexandru Afrasinei , Carmen Zaharia "Gheorghe Asachi" Technical University of Iasi-Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Environmental engineering)
18.30-18.45	Directions of efficient integrated management of household waste at the level of rural areas. Case study: Țibana commune	Cătălin Constantin Spită , Ioan Mămăligă, Laura Bulgariu "Gheorghe Asachi" Technical University of Iasi-Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Environmental engineering)

Online Parallel Session 3.3: Thursday, 18 May, 16.30-19.00

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

Chairperson: Prof.dr. Dan Marius Dobra

meet.google.com/aij-gnac-etd

Time	Oral presentation	Authors
16.30-16.45	Heuristic approach in ring voltage controlled oscillators design for analog to digital converters	Andrei Ciobănașu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iasi, Romania (Electronic engineering, telecommunications and information technology)
16.45-17.00	Development of a power electronics laboratory with remote control of both oscilloscope and load resistor via the internet	Ciprian M. Stan , Dorin O. Neacșu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iasi, Romania (Electronic engineering, telecommunications and information technology)
17.00-17.15	A short comparison of the two-stage and single-stage object detectors algorithms in computer vision	Catargiu Constantin "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iasi, Romania (Electronic engineering, telecommunications and information technology)
17.15-17.30	Analogous mode implementation of state space based control of BUCK converter	Diana-Elena Cucos , Dorin Octavian Neacșu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iasi, Romania



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



		(Electronic engineering, telecommunications and information technology)
17.30-17.45	Ethical considerations of artificial intelligence algorithms in medicine	Irina Pavel "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iasi, Romania (Electronic engineering, telecommunications and information technology)
17.45-18.00	A comparative evaluation of two empirical mode decomposition methods and multi-features for classification of focal and generalized epilepsy	Mădălina-Giorgiana Murariu , Daniela Tărniceriu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iasi, Romania (Electronic engineering, telecommunications and information technology)
18.00-18.15	Frequency domain modelling of commercial heat pumps for harmonic studies	Muhammad Ishaq , Roberto Langella University of Campania 'Luigi Vanvitelli', Faculty of Industrial and Information Engineering, Caserta, Italy
18.15-18.30	State-of-the-art deep learning approaches to early detection of Alzheimer's disease	Irina Pavel , Iulian Ciocoiu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iasi, Romania (Electronic engineering, telecommunications and information technology)
18.30-18.45	Bruxism activity acquisition using IoT devices and cloud computing	Teofil Ilie Ursache , Radu Gabriel Bozomitu and Cristian Rotariu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iasi, Romania (Electronic engineering, telecommunications and information technology)
18.45-19.00	Contributions on social distance identification methods and techniques using embedded computer boards	Marius-Emanuel Obreja "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Electronics, Telecommunications and Information Technology, Iasi, Romania (Electronic engineering, telecommunications and information technology)



Online Parallel Session 4.3: Thursday, 18 May, 16.30-17.30

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

Chairperson: Prof.dr. Manuela Lăcrămioara Avădanei

meet.google.com/ohv-urqj-rvs

Time	Oral presentation	Authors
16.30-16.45	Innovation through emerging technologies at the government level	<u>Marius Ștefan</u> Bucharest University of Economic Studies, Bucharest, Romania
16.45-17.00	Innovation ecosystems framework: platform-based structure development within the digital context	<u>Elena Avram</u> , Silvia Avasilcăi "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
17.00-17.15	The influence of reward systems on the work productivity of employees in the public system	<u>Silvia Cretu</u> "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
17.15-17.30	Research on sustainability in the pharmaceutical industry from the perspective of managers	<u>Laura-Crina Coca Mirăuțe</u> , Marius Pislaru "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)



Friday, 19 May, 2023

PLENARY SESSION 3 (Online): Friday, 19 May, 9.30-10.50

Chairpersons: **Prof.dr. Alina Adriana Minea, Prof.dr. Leandru Gheorghe Bujoreanu**

9.30-10.10	Modern research at the University of Life Sciences in Iasi, Romania	Prof.dr. Valeriu V. Cotea "Ion Ionescu de la Brad" University of Life Sciences, Iasi, Romania
10.10-10.50	Effect of silver addition on cyclic phase transformation behaviour of NiTi shape memory alloy	Prof.dr. Vedamanikam Sampath Indian Institute of Technology Madras Chennai, India
Link	meet.google.com/fff-gtwi-pqk	
10.50-11.00	Coffee break	

Online Parallel Session 1.4: Friday, 19 May, 11.00-12.45

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

Chairperson: **Prof.dr. Florin Leon**

meet.google.com/vti-aioz-vka

Time	Oral presentation	Authors
11.00-11.15	A short survey of machine learning techniques for phishing websites detection	Codruț-Georgian Artene , Florin Leon "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Computers and information technology)
11.15-11.30	Comparative study for path planning based on the decomposition of a co-safe LTL specification	Ioana Huștiu , Marius Kloetzer "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Systems engineering)
11.30-11.45	A novel method for vehicle positioning based on camera and GPS information exchange	Iosif-Alin Beti , Paul-Corneliu Herghelegiu, Constantin-Florin Caruntu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Systems engineering)
11.45-12.00	Brief survey on collaborative and non-collaborative behaviors in multi-agent systems	Dumitru-Daniel Vecliuc "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Computers and information technology)



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



12.00-12.15	Enhancing cybersecurity readiness through red and blue team competition	Cristian Chindruș , Constantin-Florin Căruntu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Systems engineering)
12.15-12.30	Real-time fixed-point implementation of passive-constrained observer and controller for in-wheel synchronous machine	"Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Systems engineering)
12.30-12.45	Holistic approach to the security of cloud computing systems	Răzvan Florea "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Automatic Control and Computer Engineering, Iasi, Romania (Computers and information technology)
12.45-13.15	Coffee break	

Online Parallel Session 2.4: Friday, 19 May, 11.00-13.00

Section 3. Chemistry; Chemical engineering; Environmental engineering

Chairperson: Assoc.Prof.dr. Conf.dr. Cezar Catrinescu

meet.google.com/tuo-xgeu-eef

Time	Oral presentation	Authors
11.00-11.15	Diffusion coefficients in porous materials: experiments and modelling	Adriana-Mariana Asoltanei , Marius Sebastian Secula, Eugenia Teodora Iacob Tudose "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)
11.15-11.30	Tailoring the synthesis of ibuprofen/layered double hydroxides nanocomposites for targeting controlled delivery of ibuprofen	Denis Cutcovschi ^{1,2} , Corina Eugenia Ignat ¹ , Sofronia Bouariu ¹ , Gabriela Carja ¹ "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)
11.30-11.45	Synthesis of highly active and stable Cu nanocatalysts encapsulated in mesoporous silica for the selective hydrogenation of levulinic acid to γ -valerolactone	Mihaela Bectoras , Cezar Catrinescu, Adrian Ungureanu, Carmen Ciotonea, Cédric Gennequin, Sébastien Royer ¹ "Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania ² Université du Littoral Côte d'Opale, Unité de Chimie Environnementale et Interactions



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



		sur le Vivant-UCEIV, UR4492, SFR Condorcet FR CNRS 3417, Dunkerque, France ³ Université de Lille, CNRS, Centrale Lille, Univ. Artois, UMR 8181 – UCCS – Unité de Catalyse et Chimie du Solide, Lille, France (Chemistry)
11.45-12.00	Influence of alternative fuels and raw materials on clinker burning process	Leonid Vasiliu , Maria Harja "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)
12.00-12.15	Studies on energy recovery from waste using thermogravimetric analysis	Loredana-Vasilica Postolache , Gabriela Soreanu, Igor Cretescu and Gabriela Lisa "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)
12.15-12.30	Ibuprofen removal from water using materials based on aluminum, iron and activated carbon	Mina Ionela Popescu ^{1,2} , Cornelia Bandas ¹ , Corina Orha ¹ , Carmen Lazau ¹ , Narcis Duteanu ² ¹ National Institute of Research-Development for Electrochemistry and Condensed Matter Timisoara, Romania ² Politehnica University of Timisoara, Romania
12.30-12.45	Improving hydrogel formulation for transdermal delivery of heparin: A promising therapeutic option for varicose veins and associated complications	Elena Farcaș ¹ , Leonard Ionuț Atanase ^{2,3} ¹ "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection ² "Apollonia" University of Iasi, Romania ³ Academy of Romanian Scientists, Bucharest, Romania (Chemical engineering)
12.45-13.00	TiO ₂ -Ag nanocomposite as photocatalysts for degradation organic pollutants	Cătălina Nuțescu Duduman , Gabriela Apostolescu, Maria Harja "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemical engineering)
13.00-13.15	Coffee break	



Online Parallel Session 1.5: Friday, 19 May, 13.15-14.30

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

Chairperson: Prof.dr. Mirela Blaga

meet.google.com/oos-npwc-hbu

Time	Oral presentation	Authors
13.15-13.30	VUCA factors influencing stakeholder relationship management development: A Systematic Literature Review	Cristina-Elena Ungureanu , Ioana-Alexandra Sbircea, Rebecca Ana Maria Chiriță University Politehnica of Bucharest, Doctoral School of Entrepreneurship, Business Engineering and Management, Bucharest, Romania
13.30-13.45	Recommendations on clothing products functional-adaptive for people with amputations	Aliona Raru , Elena Florea-Burduja "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Technical University of Moldova, Faculty of Design, Chisinau, Republic of Moldova (Engineering and management)
13.45-14.00	Treatment and characterization of cosmeto-textiles with anti-acne effect	Lucia-Oana Secareanu ^{1,2} , Mirela Blaga ¹ , Alexandra-Gabriela Ene ² "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
14.00-14.15	Organizational innovation - proposed addition to DeLone and McLean Model	Stefana-Cătălina Pohontu-Dragomir , Ionuț-Viorel Herghiligiu, Adrian Vilcu "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management, Iasi, Romania (Engineering and management)
14.15-14.30	Areas and criteria of quality assurance of the pre-university education process and system in Romania	Gabriela-Livia Mitrea-Curpanaru "Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Industrial Design and Business Management (Engineering and management)

Online Parallel Session 2.5: Friday, 19 May, 13.15-14.30

Section 3. Chemistry; Chemical engineering; Environmental engineering

Chairperson: Prof.dr. Maria Harja

meet.google.com/uou-eywk-wsu

Time	Oral presentation	Authors
13.15-13.30	Adsorption capacity of <i>Ocimum basilicum</i> and <i>Lavandula angustifolia</i> L. for Cadmium(II) ions	Dana-Mihaela Asiminicesei , Laura Bulgariu, Maria Gavrilescu



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



		"Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Environmental engineering)
13.30-13.45	Biocomposites based on hydroxyapatite for bone tissue repair and drug delivery	Sergiu Ionuț Buștiucel , Margareta Gabriela Ciobanu "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection (Chemistry)
13.45-14.00	Design strategies for tailoring nanoarchitectonics of 2-D matrices of Cu and Sn substituted layered double hydroxides	Andreea Loredana Gavrilă ² , Aben Regi Abraham ¹ , Gabriel Ababei ³ Gabriela Carja ² ¹ "Gheorghe Asachi" Technical University of Iasi-Romania, "Cristofor Simionescu" Faculty of Chemical engineering and Environmental Protection, Iasi, Romania ² "Dunărea de Jos" University of Galati, Faculty of Engineering, Galați, Romania ³ "Stefan cel Mare" University of Suceava, Faculty of Electrical Engineering and Computer Science, Suceava, Romania (Chemical engineering)
14.00-14.15	Biomedical applications of gelatin derivatives	Adina-Maria Baroi (Danila-Dediu) ¹ , Leonard Ionuț Atanase ^{2,3} ¹ "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection ² "Apollonia" University of Iasi, Romania ³ Academy of Romanian Scientists, Bucharest, Romania (Chemical engineering)
14.15-14.30	Comparison of different synthesis methods of perovskites with applications in photocatalysis	Laura Nistor , Maria Harja "Gheorghe Asachi" Technical University of Iasi, Romania, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania (Chemical engineering)
15.00-15.30	CSD2023 Closing ceremony (Online)	
Link	meet.google.com/doe-zovt-vjj	



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



SOME KEY FIGURES:

- ✓ **154 papers**
- ✓ **participants from 9 countries (authors and co-authors)**
- ✓ **28 universities, research and development institutes, companies**



**THANK YOU FOR
ATTENDING CSD2023!**



"Gheorghe Asachi" Technical University of Iasi, Romania
6th International Conference of the Doctoral School
May 17 - 19, 2023, Iași, România



You are welcome to the
7th Edition of the International Conference
of the Doctoral School - "Gheorghe Asachi"
Technical University of Iași, România, in
May, 2024!

"GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI, ROMANIA



**INTERNATIONAL
CONFERENCE OF
THE DOCTORAL SCHOOL**

TU IASI
doctoral



MAY, 17-19, 2023
IASI, ROMANIA

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

WWW.CONFERINTA-CSD.TUIASI.RO