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of Brasov

NEWSLETTER

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UNITBV, THE FIRST ROMANIAN UNIVERSITY IN THE *BEST GLOBAL UNIVERSITIES* RANKING

The month of October, by the beginning of the new academic year, also brought the first piece of good news: this year, Transilvania University of Braşov ranks first among the Romanian universities in the *US News Best Global Universities* top. If in the last edition of this ranking, Transilvania University was the third among the Romanian institutions, this year, the University of Braşov climbed to the first place.






At the global level as well, Transilvania University climbed no less than 50 places, from the 760th place which it occupied last year, to the 710th place; and at the European level it also marked an ascent: from the 312th place to the 289th place.

At the 9th edition of the *US News Best Global Universities* ranking, 2,000 universities from 95 countries were analysed, 250 more than in the 2021-2022 edition. From Romania, 12 higher education institutions were included in the top, and three others were only mentioned. After Transilvania University of Braşov, it is Babeş-Bolyai University (717th place worldwide) and West University of Timișoara (889th place worldwide) that come next in the ranking.

“It is a first for our university to be at the forefront of the of Romanian universities in a prestigious international ranking, made by an American institution. We are happy that we are beginning to reap the fruits of some measures taken a few years ago, which turned our university into a dynamic institution, oriented towards visible performance at the international level, and the merits belong to the entire academic community of Braşov”, declared the Rector of Transilvania University of Braşov, Prof. dr. Eng. Ioan Vasile Abrudan.

In order to make this ranking, 13 indicators measuring the performance of academic research,

but also the reputation at the global and regional level were resorted to.

	Transilvania University of Brasov Romania Brasov #1 in Best Universities in Romania #710 in Best Global Universities (tie) READ MORE -	GLOBAL SCORE 45.4 ENROLLMENT 19,351
	Babes Bolyai University from Cluj Romania Cluj-Napoca #2 in Best Universities in Romania #717 in Best Global Universities (tie) READ MORE -	GLOBAL SCORE 45.3 ENROLLMENT 39,811
	West University of Timisoara Romania Timisoara #3 in Best Universities in Romania #889 in Best Global Universities (tie) READ MORE -	GLOBAL SCORE 41.1 ENROLLMENT 14,527

The performance indicators of *Best Global Universities Rankings*, 2022-2023 edition are: global research reputation (12.5%), regional research reputation (12.5%), number of publications (10%), number of books (2.5%), number of conferences (2.5%), the normalized impact of citations (10%), the total number of citations (7.5%), the number of publications in the top 10% most cited publications (12.5%), the percentage of publications in the top most cited 10% publications (10%), the percentage of publications with international collaboration compared to the total per country (5%), the institution's percentage of publications with international collaboration (5%), the number of cited works in the top of the most cited 1% works in the reference field (5%), the percentage of publications in the top 1% most cited works (5%).

The entire methodology used can be consulted here: <https://www.usnews.com/education/best-global-universities/articles/methodology>, and *US News Best Global Universities 2022-2023* ranking is available here: <https://www.usnews.com/.../best-global-universities/rankings>.

Synthesis made by Victor BRICIU,
Office of Marketing and Image

Sources:
www.unitbv.ro/stiri-si-evenimente
<https://www.usnews.com>

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FIRST MEETING OF THE EUROPEAN NETWORK OF INNOVATIVE HIGHER-EDUCATION INSTITUTIONS

From 5 to 6 September 2022, the University of Salamanca hosted the first meeting of the *Network of Innovative European Universities* – ENIHEI. The network comprises 35 universities, selected from over 5,000 higher education institutions in Europe and was established at the initiative of the European Commissioner for Innovation, Research, Culture, Education and Youth, Mariya Gabriel. Transilvania University of Braşov, member of ENIHEI, was represented at this event by the Rector, Prof. dr. Ioan Vasile Abrudan and by the coordinator of the Project Management Office, Assoc. Prof. dr. Ana-Maria Cazan.



The event was organized by Prof. dr. Fernando Almaraz, the coordinator of ENIHEI, and brought together representatives of 26 universities within the network. Moreover, the ENIHEI meeting in Salamanca coincided with the celebration of the annual edition of STARTUP OLÉ, which transformed the University of Salamanca for a few days into the European centre of academic innovation.

During the two days, the representatives of ENIHEI member universities gave presentations and debated topics of interest about the development of European policies and programmes, as well as good practices implemented in the academic environment, which support the European Strategy for Universities and the European Agenda for Innovation.

On behalf of Transilvania University in Braşov, the Rector of the University, Prof. dr. Eng. Ioan Vasile Abrudan gave the presentation entitled *Fostering, attracting and retaining deep tech talents* (authors: Prof. dr. Ioan Vasile Abrudan, Prof. dr. Carmen Buzea and Assoc. Prof. dr. Ana-Maria Cazan) about the

experience and good practices of UNITBV, within the panel of the same name.



Furthermore, UNITBV will be part of the workgroup that will develop specific recommendations related to attracting and supporting talent in higher education.

The ideas presented and discussed in the workgroups established during the event will be included in the manifesto document of ENIHEI, a first version being presented to European Commissioner Mariya Gabriel. The commissioner thanked ENIHEI members for the results achieved so far, at the same time emphasizing her support for future actions.



The meeting at the University of Salamanca was a good opportunity for the creation of new alliances and workgroups, for the exchange of ideas, knowledge and good practices that support the implementation of the European Strategy for Universities and the European Agenda for Innovation.

Assoc. Prof. dr. Ana-Maria CAZAN
Coordinator of the Project Management Office

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RESEARCHERS' NIGHT, AN EVENT FOR THE WHOLE FAMILY, AT THE RESEARCH AND DEVELOPMENT INSTITUTE WITHIN TRANSILVANIA UNIVERSITY OF BRAȘOV

The Researchers' Night took place this year again at the R&D Institute of Transilvania University of Brașov, on Friday, 30 September, between 5:00 p.m. and 9:00 p.m.



As every year, this time as well, the research centres of the Institute brought science and technology closer to children. In the form of games, experiments or competitions, the researchers of Transilvania University showed the children how important science is for everything that we do every day, how useful the notions of chemistry, physics or biology can be, as well as the breakthroughs in the world of technology.

The Researchers' Night event brought together dozens of stands with innovative products, scientific discoveries or various workshops where the visitors were engaged in various exciting activities: they could learn to draw with both hands at once, they could do various tests to see what profession suits them, and they could see the role of a white cane for blind people.

Obviously, robots, 3D printers, drones, airplane models, and the much-coveted demonstration with the racing cars made by the students of Transilvania University of Brașov did not lack either. Short lessons and chess competitions also took place during the event, and the best chess players were awarded.

At the same time, during the event, the children were able to see closely the intervention technique of the

firemen, the gendarmes, or they studied the equipment provided by the forensics.



We were also joined by the partners in the private sector, who exhibited the latest products and breakthroughs in the field of technology. Atos, Miele, Schaeffler Romania, Siemens, Vitesco Technologies, Benchmark, Logiscool sau LearnEX were just some of our partners who were present with their stands on the premises of the R&D Institute of UNITBV.



A special role was played by the students of the National Colleges "Dr. Ioan Meșotă", "Mircea Cristea" and "Grigore Moșil", who prepared interactive and ingenious workshops for all the participants in the event.

Mirela CORNEA
Communication Office

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UNITBV – CVTC, AMONG THE WORLD’S FIRST FOUR

The competition for winning “Lueny Morell” international prize, themed on “To educational innovation in higher education in STEAM” was organized and held in 2022.

Twenty-seven papers from 12 countries on five continents were entered. After the first selection phase, seven papers were chosen to continue the competition, including “The Centre for Valorization and Transfer of Competences - CVTC”, which represented Transilvania University of Braşov.



In the second phase, four of the seven papers were selected, including the paper of our university. The third phase of awarding “Lueny Morell” international prize followed, and the winning paper was declared “Salud 1.5 °C, relation between the health of the planet and human health. An innovation for climate action” of the Department of Chemistry and Biology at Universidad del Norte, Barranquilla, Columbia.

The international jury took into account when making assessments, apart from the fulfillment of the main characteristics of STEAM, several indicators such as: the educational impact and the socio-professional impact of the actions undertaken. The competition involved, at each stage, the contestants answering a set of rather demanding questions for our country where STEAM is hardly talked about, and STEAM as a legislative goal is even neglected.

The ranking of our university among the top four countries in the world with serious preoccupations and achievements in the field of STEAM is the result

of the collective effort engaged in CVTC actions, which is why we want to mention the names: Doru Ursuțiu, Cornel Samoilă, Horia Modran, Tinasha Chamunorwa, Petre Cotfas, Daniel Cotfas, Petru Epure, Laura Floroian, Mihaela Badea, Dragoş Iordache, Ramona Oros, Vlad Jinga, Victor Naşcov, Stela Drăgulin, Fulvia Constantin, Andrei Neagu, Cristian Ivaşcu, Arama Done, Ioana Manea.

Let’s not forget our industrial partners: Miele, Steinel, NI, Benchmark, Epi Sistem, ARC, IAR, etc., that support STEAM education.



Perhaps our pioneering efforts will result in STEAM educational technology appearing in the new Education Act as a national goal.

Prof. em. dr. Eng. Cornel SAMOILĂ
Prof. dr. phys. Doru URSUȚIU

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THE INTERNATIONAL SUMMER SCHOOL *FOOD SAFETY AND HEALTHY LIVING* - FSHL 2022

Between 5 and 8 September 2022 the international summer school *Food Safety and Healthy Living* - FSHL 2022 was successfully held. Starting as an objective of the eponymous CEEPUS project, coordinated by Transilvania University of Braşov, the idea of organizing an international summer school has been continued every year since 2018.



The summer school was coordinated by Transilvania University of Braşov, "Carol Davila" University of Medicine and Pharmacy of Bucharest, University Degli Study di Milano (Italia) and the University of Perpignan via Domitia (France); it is also worth noticing the involvement of the collaborators (Synevo Romania, the Romanian Society of Ethnopharmacology, the National Research and Development Institute for Optoelectronics - INOE 2000, the International Biodynamic Centre, Spectro Optica Serv SRL and LOM SRL) and of the sponsors (Synevo Romania, PalmSens - Netherlands, Dexter.com, Laboratorium, BioAqua and Papa Jacques).

The main objective of FSHL Summer School 2022 was to provide multi/transdisciplinary knowledge about the quality and diversity of food for a safe and healthy life. The topics dealt with the important approaches to the protective diet used in some medical situations and in everyday life, with the health benefits of traditional and new foods, with the detection of beneficial or toxic compounds, as well as

with the ways to understand and apply healthy eating habits.

Over 70 students from undergraduate and postgraduate programmes (master's and doctoral students) from different universities of Romania (Braşov, Bucharest, Galaţi, Cluj-Napoca, Sibiu), as well as Slovenia, Italy, Republic of North Macedonia, Republic of Moldova, Czech Republic, Albania, Poland, Brazil, Serbia, Germany identified new approaches in the field of healthy eating and food safety. The volunteer student group from the Faculty of Medicine (students in the Medicine, Clinical Laboratory and General Nursing study programmes, and doctoral students) who enthusiastically supported the organization of this summer school in Braşov are particularly noteworthy.

Details of the presented papers and guest lecturers can be found in the summer school abstract book, available online <https://www.fshl.ro/2022/FSHL-2022-book-of-abstracts.pdf>.



It was an interesting experience and full of valuable information for the young participating students, we are glad to have lecturers already known for their good relations with our Braşov group (constant collaborators since 2003 and 2005), but also young lecturers who have former students of the previous editions of the FSHL Summer School and who now have passed "on the other side" of the chair.

We look forward to seeing each other again at the next edition of the *Food Safety and Healthy Living*: <http://www.fshl.ro/>.

Prof. dr. Mihaela BADEA
Faculty of Medicine

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INTERNATIONAL CONFERENCE ON MATHEMATICS AND COMPUTER SCIENCE(MACOS)

Between 15 and 17 September 2022, "Sergiu T. Chiriacescu" Conference Centre of Transilvania University of Braşov hosted a new edition of MACOS international conference organized by the Faculty of Mathematics and Computer Science. The papers presented during the conference were grouped into two sections: *Mathematical Analysis* and *Applied Mathematics and Computer Science*.

This event was attended by 55 professors from the following universities: Georg-August-University – Germany, Cankaya University – Turkey, Yeshiva University – USA, Technische Universität Ilmenau – Germany, Kuban State University, Lublin University of Technology – Poland, Atatürk University – Turkey, Katholische Universität Eichstätt-Ingolstadt – Germany, Sakarya University – Turkey, Erzincan Binali Yıldırım University – Turkey, University of Zagreb – Croatia, Atilim University – Turkey, University of Birjand – Iran, Polytechnic University of Bucharest, Academy of Economic Studies of Bucharest, Technical University of Civil Engineering of Bucharest, Babeş-Bolyai University of Cluj-Napoca, University of Craiova, Lucian Blaga University of Sibiu, Institute of Computer Science of the Romanian Academy, Iaşi University of Oradea, University of Bucharest, Valahia University of Târgovişte, and Transilvania University of Braşov.

At the 4th edition of the MACOS conference, the participants could watch five plenary lectures given by the following distinguished professors:

- Marian Gîdea, Yeshiva University – SUA;
- Erdal Karapinar, Cankaya University – Turkey;
- Preda Mihăilescu, Georg-August-University – Germany;
- Detlef Streitferdt, Technische Universität Ilmenau – Germany;
- Javad Tayyebi, University of Birjand – Iran.

We thank the management of Transilvania University of Braşov for the material and logistical support provided.

Last but not least, we would like to thank the colleagues from the Faculty of Mathematics and Computer Science who got involved in this event.

We also want to thank the sponsors: Siemens Industry Software, Atos, Pentalog and Livezile Dobrinou [Dobrinou Orchards].

Prof. dr. Dorina RĂDUCANU
Assoc. Prof. dr. Nicuşor MINCULETE
Faculty of Mathematics and Computer Science

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THE SIXTH EDITION OF THE INTERNATIONAL CONFERENCE *NEW TRENDS ON SENSING-MONITORING-TELEDIAGNOSIS FOR LIFE SCIENCES* - NT SMT-LS 2022

From 8 to 10 September 2022, "Sergiu T. Chiriacescu" Conference Centre of Transilvania University of Braşov hosted, in a hybrid system (with direct and online participation), the sixth edition of the International Conference *New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences* - NT SMT-LS 2022 (<https://www.healthfoodenviron.unitbv.ro/2022/>).



The main coordinators of this event were Transilvania University of Braşov, "Carol Davila" University of Medicine and Pharmacy, Bucharest, University Degli Study di Milano (Italy) and University of Perpignan via Domitia (France). This year, we must emphasize the presence of collaborators - Synevo Romania, the Romanian Society of Ethnopharmacology, the National Research and Development Institute for Optoelectronics - INOE 2000 (Romania), International Biodynamic Centre (Romania), Spectro Optica Serv SRL (Romania) and LOM SRL (Romania).

This conference was held with the support of our sponsors – Synevo Romania, PalmSens (Netherlands), Dexter.com, Laboratorium, BioAqua, Papa Jacques.

The plenary presentations were made in a joint framework with BioAtlas Conference, organized by colleagues from the Faculty of Food and Tourism (coordinators Prof. dr. Liviu Gaceu and Prof. dr. Romulus Guia).

The topics were organized into three sections: *(Tele)diagnosis, (Tele)monitoring and (Tele)management in Medicine, New Trends in Nutritional Sciences and*

Food Control and respectively *New Trends in (Bio)engineering Sciences Applied in Life Sciences*, with interdisciplinary topics defended by participants from Romania, Italy, France, USA, Qatar, Slovenia, Portugal, Bulgaria, Republic of Moldova, Great Britain, Ireland, Poland.

The book of abstracts published by Transilvania University Press is available at the address:

<https://www.healthfoodenviron.unitbv.ro/2022/NT-SMT-LS-2022-Book-of-Abstracts.pdf>.

On behalf of the scientific committee, I would like to express my respect and gratitude for the joint efforts of all academic and research institute representatives, experts, bachelor's, master's and doctoral students who contributed to the success of this conference.

Moreover, the involvement of the high-school pupils of Braşov, Ploieşti and Bucharest for their poster-type presentations in the international workshop *First steps for young scientists in the field of Life Sciences – a partnership between high schools – universities – research institutes* is worth emphasizing. Our intention is to encourage this type of collaboration for the future editions of our conference as well, involving other high schools in Romania and, why not, from abroad.

An emotional moment was the celebration of Prof. dr. Jean-Louis Marty, an important personality in the field of life sciences. Prof. dr. Marty's support helped develop the research directions and academic careers of young researchers all over the world.

As a brief reminder of this conference, you can watch a video prepared by the medical student Antonia Nicolae:

<https://www.healthfoodenviron.unitbv.ro/2022/the-event/>.

We look forward to seeing each other again at the next edition of the international conference *New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences* - NT SMT-LS 2022.

Prof. dr. Mihaela BADEA
Faculty of Medicine

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THE 7TH INTERNATIONAL CONFERENCE *STRUCTURE, USE, AND MEANING(SUM): LANGUAGE AND DIALOGUE FROM AN INTERCULTURAL PERSPECTIVE, BRAȘOV*

The starting point of this year's conference on linguistic studies was that language use is dialogic use, a situated performance which requires a shift of paradigm: there are no more patterns, no more abstract system of signs, but natural language use has a complex architecture and the focus should be on "human beings who use language in dialogic interactions" (Weigand 2017, 3). What is more, language use is intercultural use and human beings are dialogic individuals who "have the necessary linguistic means and communicative skills to work out their differences" (Kecskes 2012, 285).



A dialogic perspective allows the interplay among communication, context, action, and meaning, being viewed as a holistic and systemic outcome of the human linguistic manifestations. In turbulent times, a dialogic approach may equate with initiating and facilitating negotiations between conflicting groups and mobilising them towards a common goal (Gao 2017). For example, Holliday (2013) challenges the old frame of cultural perception (us vs. them, self vs. other, the East vs. the West, etc.), suggesting that research in this area should focus on the identification and acknowledgement of common themes that operate across group boundaries. This approach could also be used to analyse other aspects, such as teacher-student relationship, or to promote dialogical learning. Thus, intercultural dialogues must not be restricted to interethnic levels (Gao 2017) since they can also take the form of a dialogue between different communities, real or virtual, a dialogue between different fields of

practice or even a dialogue between different voices of the same individual.

In his plenary talk, Francisco Yus (University of Alicante, Spain) dwelt on the specificities of messaging interactions and discussed various humorous interactional patterns across the West and the East. The interplay between language use and media was explored by Władysław Chłopicki (Jagiellonian University, Krakow, Poland) who argues that journalists display authority by including frequent references to classical philosophers or writers considered to be familiar to their audience and not worth explaining. Adopting the intercultural approach, Marina Bondi (University of Modena and Reggio Emilia, Italy) discussed corporate social responsibility (CSR) as an important component of corporate communication, intended to contribute to improving reputation and trust. Andra Vasilescu (University of Bucharest, Romania) put forward an analysis of the functions and usages of *da* in a Romanian corpus of natural interactions in language proficiency exam situations. Based on the socio-cognitive framework of intercultural communication (Kecskes 2013; 2017), *da* appears to bridge the gap between core common ground and emergent common ground, between the prior context and the situational context, between egocentric attention and cooperation with the interlocutor.

In today's world of globalization, modernity and technological advancement, SUM is a timely and extremely important academic event that aims at creating the needed space for intercultural communication through language. At the 7th edition, SUM has proved one more time to be an opportunity to local, national, and international scholars of diverse subfields in linguistics to present and discuss their ideas.

Prof. dr. Răzvan SĂFTOIU,
Faculty of Letters

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THE 20TH EDITION OF THE INTERNATIONAL CONFERENCE IEEE POWER ELECTRONICS AND MOTION CONTROL (IEEE-PEMC)

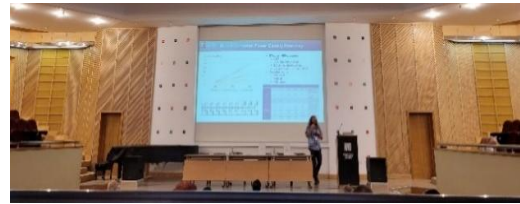


From 25 to 28 September 2022, "Sergiu T. Chiriacescu" Conference Centre of Transilvania University of Braşov hosted the 20th IEEE International Power Electronics and Motion Control Conference, IEEE-PEMC 2022 (<https://ieeepemc2022.org/>), co-organized by the Faculty of Electrical Engineering and Computer Science of Transilvania University of Braşov.



Under the patronage of the international scientific societies *IEEE Industrial Electronics* and *IEEE Industry Applications*, the IEEE-PEMC conference offers the participants a meeting framework in which to present the results of the latest theoretical and practical research in fields such as: power electronics, electric drives and machines, control systems, transport electrification, renewable energy sources.

The event brought together more than 150 participants who presented over 100 papers in both physical and online format, within 16 oral sessions and one poster session. The conference had a high scientific level and a very good international visibility, benefiting from the participation with plenary presentations, on topics of great current interest, of the following guests from the academic and industrial environment:



- Dr. Christian von Albrichsfeld, Continental Automotive, Romania - *Current Megatrends in Automotive Industry and Its Effects on Vehicle Architecture*;
- Prof. Remus Teodorescu, Aalborg University, Denmark - *Smart Battery, a New Technology*;
- Prof. Babak Nahid-Mobarakeh, McMaster University, Canada - *Motor Control for Electrified Transportation Systems*;
- Prof. Patrick Wheeler, Nottingham University, UK - *Trends and Challenges in Electrification of Aircraft Propulsion Systems*;
- Prof. Pavol Bauer, Delft University of Technology, Netherlands - *DC systems and Storage integration: Two key technologies for energy transition*;
- Prof. Zbigniew Krzeminski, Gdansk University of Technology, Poland - *True smart grid with voltage and current controller*;
- Prof. Marco Liserre, Kiel University, Germany - *Unlocking the Hidden Capacity of the Electrical Grid through Smart Transformer and Smart Transmission*.

Within the closing plenary session, the main achievements were presented and prizes were awarded for the best papers presented during the conference.



Prof. dr. Ioan ŞERBAN
Faculty of Electrical Engineering and Computer Science

WORKSHOP - GIRO

Part of the activities planned for the second year of implementation of the project financed by UEFISCDI, Young Teams, *Gamification-Based Instruction for Teaching Romanian as a Foreign Language*, the GIRO workshop was the opportunity to share the good practices used in classroom teaching through the concept of *gamification* with the colleagues in the country and abroad, with a view to popularize this teaching method.

Held on 14 September 2022 in "Sergiu T. Chiriacescu" Conference Centre, the workshop brought together 25 academics who teach Romanian as a foreign language for the Preparatory Year, both from universities in the country (Sibiu, Galați, Constanța, Miercurea Ciuc, Ploiești, Suceava, Oradea) and from Italy (Università di Torino). Its agenda included discussions and interactions focused on the usefulness of using in foreign language teaching, especially Romanian as a foreign language, the complexity offered by the implementation of the specific elements of electronic games in the academic educational space.



Closely related to the activation of intrinsic motivation, the concept is based on techniques, mechanics and dynamics used in the creation of the virtual atmosphere within computer games; and the appropriate extraction of those aspects that make up this world so as to be introduced and used in the didactic space, of the foreign language class, in the academic environment, and not only, was the major challenge that the GIRO team members researched in the academic year 2021-2022, throughout the second semester of teaching Romanian as a foreign language, for the Preparatory Year, at the Faculty of Letters within Transilvania University of Brașov.

Consisting of Assoc. Prof. dr. Andreea Nechifor (project manager), Prof. dr. Răzvan Săftoiu (senior researcher), Assoc. Prof. dr. Georgiana Burbea (junior researcher) and drd. Ionuț Căpeneață, the research project team shared of the theoretical basis acquired as a result of attending specialized trainings on the concept of *gamification* (MOOCs offered by the platforms Coursera, edX, and on-

site training at ITC Praga), of the experience acquired concretely, in class, while working with the concept of *gamification*, of the database collected throughout the research, of the platforms used in teaching, as well as of the game-based applications used during the implementation of the *gamified* vision of the teaching process.



The workshop itself became a *gamified* framework, as the participants were asked, even before arriving in Brașov, but also throughout its proceedings, to participate in the challenge launched by the GIRO team through the missions specially created for them through the GooseChase app on each of their mobile phones, and the winners were rewarded at the end of the activities.



The TE 206 project, scheduled to end in late February 2023, will continue, in November 2022, with a visit of research and exchange of best practices at ILR Rome and Accademia di Romania in Rome, as well as with the presentation of two specialized papers at *Innovation in Language Learning* International Conference in Florence.

Assoc.Prof.dr. Andreea NECHIFOR (project manager),
Prof. dr. habil. Răzvan SĂFTOIU (senior researcher),
Assoc. Prof. dr. Georgiana BURBEA (junior researcher)
researcher)
Drd. Ionuț CĂPENEATĂ

PINK FINANCIAL EDUCATION – FINANCIAL EDUCATION FROM STUDENTS, FOR STUDENTS

Pink Financial Education project has as its main goal the improvement of the UNITBV students' quality of life, as well as the easier integration into the active, social and economic life of those with unequal starts in life due to the discrepancies in Romanian society, by organizing non-formal education activities in the field financial education, with a view to discovering, encouraging and developing their skills to manage the personal budget.

The project brings not only a change through the accumulation of skills and knowledge, but also one through the enrichment of social skills, because the project is organized by students together with other students whom they actively integrate. The end result is a local student community where all participants contribute and are integrated, regardless of their economic and social profile.

The objectives of the project, which runs from June to November 2022, are:

- To create and use an online educational package with financial education resources, namely an online platform with six video

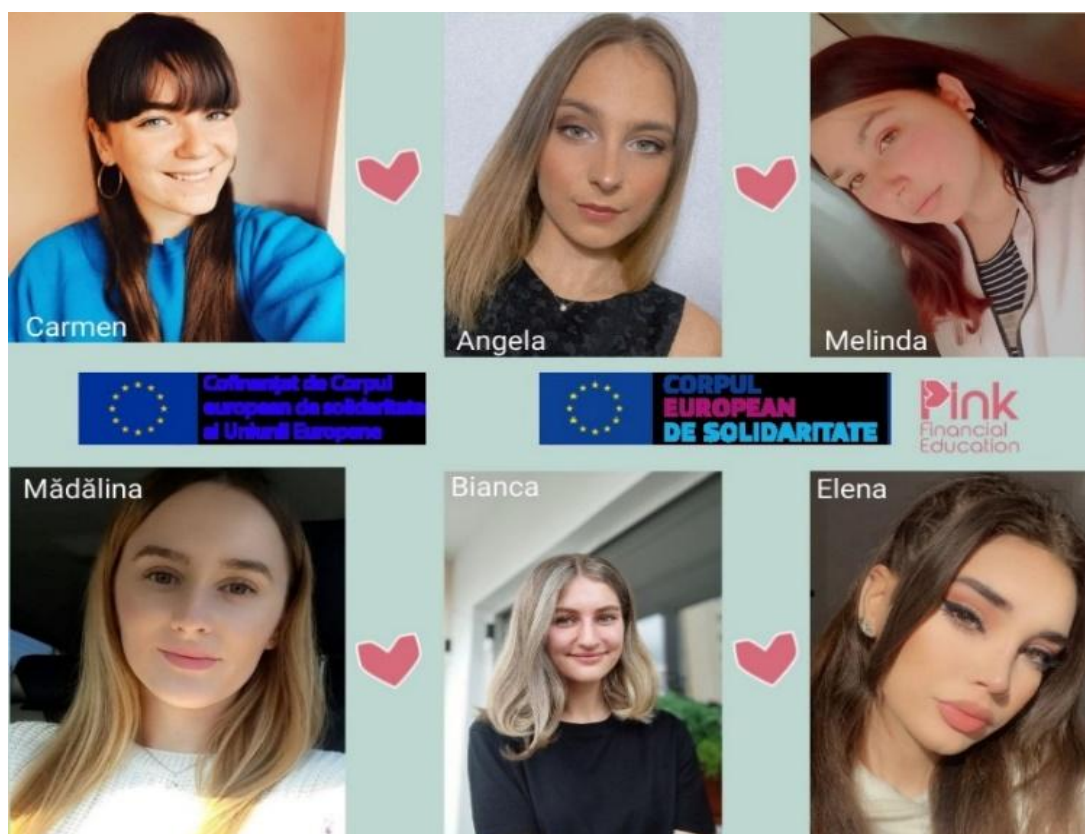
materials, an e-journal, three webinars, three interviews about best practices with students.

- To lay the foundations of a mentoring-volunteering community in financial education, animating a Facebook group for consulting and helping students, two live events of the FB group managed by the project team.

The project is managed by a team of six volunteer students, among whom five are from FSEAA, MN and BA, the 2nd study year, namely Mădălina Ioniță – project manager, Carmen Mărculescu – operational manager, Angela Kaplina, Melinda Peter, Bianca Dedu and a SO graduate, currently studying for a master's degree in the field of communication (Elena Drăgan).

Lect. dr. Dana Lupșa TĂTARU
Faculty of Economic Sciences and Business
Administration

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PUPILS OF "CAROL I" TECHNOLOGICAL HIGH SCHOOL OF VALEA DOFTANEI, COUNTY OF PRAHOVA, ON A VISIT TO THE FACULTY OF LAW

On 29 September 2022, Assoc. Prof. dr. Ioan Aron and laboratory assistant Gheorghe Cletea welcomed, as hosts, the pupils from "Carol I" Technological High-school of Valea Doftanei, accompanied by several teaching staff. They were invited to the T113 room - the Forensic Clinical Laboratory of the faculty, where they were presented with the faculty and were answered questions related to admission to the faculty, the disciplines that will be studied, the timetable, the extracurricular activities and the opportunities of internship during their study years, as well as the opportunities of employment after graduation.



They were also presented with the specific activities conducted in the discipline of Forensic, resorting to the specific equipment of the Forensic Laboratory, and they were shown the ways in which the appropriate equipment is used. Assoc. prof. dr. Ioan explained to them, through practical, concrete

examples, specific forensic tactics and techniques used by forensic specialists to collect the necessary evidence as a result of crimes. Emphasis was placed on the importance of correctly collected information and documents, in compliance with all specific procedural rules, in order to substantiate the guilt or innocence of a person, as the case may be.



The constant need to improve and perfect the specific techniques and tactics, as well as the technical equipment used to be in line with new technical developments, including to prevent crimes, was also highlighted.

Lect. dr. Oana ȘARAMET
Faculty of Law

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INTER-UNIVERSITY COLLABORATION IN MUSIC THERAPY: STUDENT COMPETITION OF INTERDISCIPLINARY PROJECTS



The Student Competition of Interdisciplinary Projects, organized at Ovidius University of Constanța on 15 September 2022, benefited from the support of Transilvania University of Brașov, through the participation of Prof. dr.

hab. phys. Doru Ursuțiu, at the section "Equipment used in Music Therapy".

The event was partially financed through the support programme for extracurricular student activities of the Ministry of Education, and it was attended by forty specialists and students at several faculties of arts, music, psychology, medicine and theology, in our country.

The open workshop was oriented towards the practice of music therapy and was conducted as a series of interactive demonstration activities, intended to know, understand and apply the principles of using music for therapeutic purposes. The participants presented an application project, which was appreciated by the committee of specialists, in a student project competition.



Prof. dr. hab. phys. Doru Ursuțiu extensively presented the current trends in biometrics, telemedicine, and the direct applications that can be used to objectify the effects of music therapy.

Hearing aids and devices, biosensors, processing and display of information and data of therapeutic interest were presented.



An "Introduction to the Principles of Music therapy" (Prof. dr. Eng. Valentina Pomazan) and "Selection and Adaptation of the Musical Repertoire in Therapy" (Assoc. Prof. dr. Ruxandra Mirea) were also presented.



The Student Competition for Interdisciplinary Projects is an annual event initiated by Ovidius University of Constanța, which targets the students in Romania and abroad who are interested in the methods of inter- and transdisciplinary research in science.

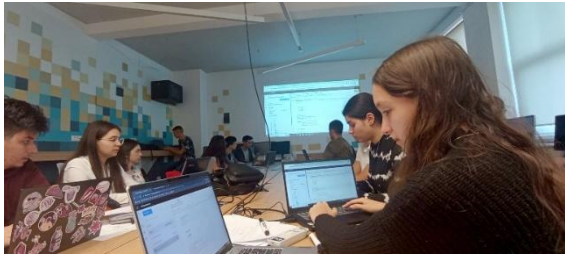
Prof. dr. Eng. Valentina POMAZAN
Assoc. Prof. dr. Ruxandra MIREA
Ovidius University of Constanța

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WORKSHOP – QUANTUM COMPUTING

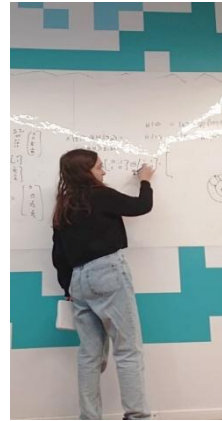
On 30 September 2022, Lect. dr. Ioana Plajer from the Faculty of Mathematics and Computer Science organized a workshop on *Quantum Computing* for the students who completed the first year

The workshop took place in the P building, room PIII4 of UNITBV, and the presentation was given by Sorana Catrina, assisted by her sister Mirela Catrina, both of them being students in the specialization Applied Computer Science. About 20 students attended the event with high interest.



Quantum computers and quantum programming are currently in full development and research and are built on a new paradigm based on the quantum states of electrons.

Unlike the bit, the logical unit with which classical computers operate and which can have two values 0 or 1, quantum computers operate with the qubit unit, which however has a probabilistic character.



The two students, Sorana and Mirela, of whom Sorana won the 1st prize, along with her team, at the *QCHack 2022 Quantum Computing* competition, gave an introductory presentation to the field, explained how quantum computers work, what qubits, logic gates and the mode of programming are. Moreover, they proposed some introductory exercises to the students. All participants proved themselves highly interested, and they actively participated by asking questions and solving exercises.

The event ended with a recreational programme of board games.

We would like to thank everyone who participated in this event, and especially the two students, who made the effort to prepare the teaching material!

Lect. dr. Ioana PLAJER
Faculty of Mathematics and Computer Science

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