



Transilvania
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of Brasov

NEWSLETTER

No. 130 February 2023

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UNITBV TEAM, AWARDED AT THE FIRST EDITION OF THE ROMANIAN RESEARCH GALA

The Romanian Research Gala was a competition launched by the Ministry of Research. More than 500 participants signed up for the four categories of the competition. Each participant, whether a team or an individual, was asked to describe their five most important past achievements. The jury, made up of national and international experts, chose five finalists under each category, with achievements in various fields, such as astrophysics, theatre arts, machine learning or medicine.



Under the *Young Researchers – Teams* category, the best achievements were designated those of the team from Transilvania University of Braşov, which conducts research and innovates in the field of “personalized medicine”, using artificial intelligence techniques.

Along their collaboration with several hospitals in Bucharest, Cluj, Târgu Mureş and Braşov, and with national and international companies in the medical field, the 12 researchers have developed various algorithms that aid doctors in diagnosing or treating patients. The created software and algorithms analyse imaging data, laboratory data or EKGs; the medical fields addressed are cardiovascular pathologies and cancer.

One of the important aspects considered by the jury was that the team’s research does not stop at the prototype stage, but is brought to the product level, so that the developed software aids the work of as many medical personnel as possible. For example, in collaboration with a private company, the team of Prof. dr. Eng. Lucian Mihai Itu is going to launch a useful application for diagnosing the severity of coronary stenoses. The software is currently under clinical trials internationally.

The team that won the prize of the Romanian Research Gala is made up of 12 members, all of them below the age of 40:

- Lucian Mihai Itu – Faculty of Electrical Engineering and Computer Science;
- Anamaria Vizitiu – Faculty of Electrical Engineering and Computer Science;
- Costin Ciuşdel – Faculty of Electrical Engineering and Computer Science;
- Cosmin Niţă – Faculty of Electrical Engineering and Computer Science;
- Andrei Puiu – Faculty of Electrical Engineering and Computer Science;
- Diana Voinescu – Faculty of Electrical Engineering and Computer Science;
- Cosmin Hatfaludi – Faculty of Electrical Engineering and Computer Science;
- Iulian OGREZEANU – Faculty of Electrical Engineering and Computer Science;
- Manuela Danu – Faculty of Electrical Engineering and Computer Science;
- Ioana Antonia Ţacă – Faculty of Mathematics and Informatics;
- Daniel Bunescu – Faculty of Electrical Engineering and Computer Science;
- Andreea Popescu – Faculty of Electrical Engineering and Computer Science.



The winners of the gala then participated, on 1 February, in a meeting with the Prime Minister of Romania and with his advisors, the purpose of which was to identify elements and actions that would support Romanian researchers.

Prof. dr. Eng. Lucian Mihai ITU
Faculty of Electrical Engineering and Computer
Science

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ROMANIAN RESEARCH GALA 2023

THE TEAM COORDINATED BY PROF. MAT. DR. ENG. SORIN VLASE – NOMINATED IN THE FINALS

The first edition of the Romanian Research Gala took place on 31 January 2023 at the Romanian Athenaeum of Bucharest, an event that celebrated the Romanian researchers' performance.



Within this year's event, research and innovation prizes were awarded to both individual researchers and research teams. There were two awarded categories:

- First category: Experienced researchers – Researcher/ Research team;
- Second category: Young researchers – Researcher/ Research team.

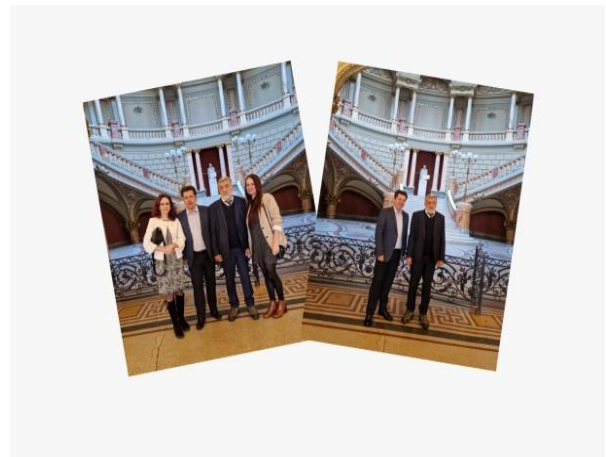
More than 500 applications were evaluated by a jury with expertise in the field of scientific research. For each category, the jury selected three finalists.



The team coordinated by Prof. Mat. dr. Eng. Sorin Vlaşe from the Faculty of Mechanical Engineering was nominated among the finalists under the Experienced Research Teams section.

The works with which the team made up of Prof. Mat. dr. Eng. Sorin Vlaşe (Faculty of Mechanical Engineering), Prof. Habil. dr. Eng. Maria Luminița Scutaru (Faculty of Mechanical Engineering), Assoc. Prof. Habil. dr. Eng. Călin Itu (Faculty of Mechanical Engineering), Prof. dr. Eng. Paul Nicolae Borza (Faculty of Electrical Engineering and Computer Science), Prof. HC Habil. dr Mat. Marin Marin (Faculty of Mathematics and Computer Science), Prof. dr. Eng. Polidor Bratu (Institute of Solid Mechanics within the Romanian Academy), Prof. dr. Eng. Nicușor Drăgan ("Dunărea de Jos" University of Galati) entered the competition for the prize under the "Experienced Research Teams" Section fall within the field of Mechanical Engineering and Nuclear Energy.

The research of the team coordinated by Prof. Mat. dr. Eng. Sorin Vlaşe considered the analysis of an inertial mass of 54,000 tons suspended on elastic springs for the installation of the European project ELI-NP.



Prof. dr. Eng. Maria Luminița SCUTARU
Director of the Mechanical Engineering
Department
Faculty of Mechanical Engineering

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LAUNCH OF THE GUIDE FOR CONSCIOUS TEENAGERS AND THE FIRST DOCUMENTARY FILM IN ROMANIA ABOUT ENDOMETRIOSIS

The first events that opened this year for the *I and the Endometriosis* Association were hosted by the Multicultural Centre within Transilvania University of Braşov.



On 26 January 2023, the students of Transilvania University of Braşov had the opportunity to find out what endometriosis is, as part of the launch of the *Guide for Conscious Teenagers* and, at the same time, the launch of the first documentary film in Romania about endometriosis, *Endodyssey*.



The interested audience, consisting both of teenagers and of teaching staff, as well as of other people, attended this event, to listen to life experiences, high-quality medical information about how to live with such a diagnosis, how to help a woman diagnosed as such for whole decades of her life.

At the end of the screening of the film *Endodyssey*, the audience's silence - before and after the applause - conveyed that the film was not yet over for the viewers, a lot of emotion making itself felt. In these moments of silence, the mindset about women changes, the awareness of endometriosis arises, and another level of consciousness emerges.



The *I and the Endometriosis* Association, represented by Mrs. Claria Iordache, had by its side Anca Papană, on behalf of the Multicultural Centre within Transilvania University of Braşov, and Cătălina Dinu, Lecturer dr. at the Faculty of Law within Transilvania University of Braşov, and counsellor to the Braşov Territorial Office of the *People's Advocate* institution.

Lect. dr. Cătălina DINU,
Faculty of Law
Clarisa IORDACHE,
President of *I and the Endometriosis* Association

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BOOK LAUNCH | ALINA FELEA - *FORMA MENTIS, DOMICILIILE REALE ȘI FICTIVE ALE MINTII* [*FORMA MENTIS, REAL AND FICTITIOUS DOMICILES OF THE MIND*]



Lansare de carte

Forma mentis

Domiciliile reale și fictive ale minții

de Alina Felea

(Editura Tracus Arte, 2022)



Prezintă:

Rodica Ilie
Virgil Borcan
Răzvan Mitu

18.01.2023

ora 18:00

Centrul
Multicultural al
Universității
Transilvania din
Brașov

The Multicultural Centre within Transilvania University of Brașov hosted, on Wednesday, 18 January, the launch of the book *Forma mentis, Real and Fictitious Homes of the Mind*, written by Alina Felea, literary theorist, essayist, Lecturer at the Faculty of Letters within Transilvania University of Brașov. Published by *Tracus Arte* publishing house, in 2022, the volume debates the issue of "form", in its meanings, without confining itself to a simple hierarchization. On the contrary, the intention of the text is to dissolve the artificial boundaries between the over-discussed concepts of literature, to nuance the theories and to explain them, not through a didactic approach, but through a dense, very coherent and succinct discourse. Since reality and

fiction derive from *form*, finding their embodiment in them, as the author herself explains, *form* becomes *forma mentis*, a way of thinking and understanding the world and its literature.

Prof. dr. Adrian Lăcătuș, the Dean of the Faculty of Letters, took the floor at the opening of the event, and he was followed by Prof. dr. Rodica Ilie. She emphasized the author's research work and reputation in the world of literary theory, as well as her journey under the tutelage of Gheorghe Crăciun and Antoine Compagnon. The floor was then taken over by Assist. Prof. drd. Răzvan Mitu and by Assoc. Prof. dr. Virgil Borcan, who directed the discussion towards the text of the volume, without excessively exposing the content, but highlighting both the difficulty of writing it and its importance for the literary world, but also for the academic world. Alina Felea completed the discussion, giving details about how the volume came into being, volume on which she worked with thoroughness and dedication over the past few years, and recounting anecdotes from the experiences she had during her research. She emphasized the influence of the late literary theorist Gheorghe Crăciun, under whose guidance she began her academic career, also pointing out essential moments in her formation, but also in the creation of the published volume.

The event ended with an autograph session.

Alexandra CONSTÎNDOIU,
2nd-year graduate student,
Cultural Innovation,
Faculty of Letters

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A NEW EDITORIAL RELEASE SIGNED BY PROF. DR. TIBERIU FORIȘ

On 17 January 2023, "Sergiu T. Chiriacescu" Conference Centre of Transilvania University of Brașov hosted, for the seventh consecutive time, therefore an annual tradition, the poetry book launch "Lost Time. Pandemic diary", the 3rd of the eponym trilogy authored by Prof. dr. Tiberiu Foriș, Director of the Department of Management and Economic Informatics of FSEAA, Transilvania University of Brașov.



The book was presented by Virgil Oniță - co-founder of *Creator* Publishing House, Mircea Brenciu - on behalf of the Writers' Union, Lect. dr. Cristina Nicolau - on behalf of Transilvania University of Brașov; and the verses were recited by the actress Dorina Roman and by the author himself.



The musical background was provided by Marius Dragomir, with whom the author is preparing a future album of music and poetry, and by Giuri Meزابrovski

who created the music videos based on the author's lyrics.



More than 200 people attended this event: professors, students, businessmen, politicians and people of culture of Brașov city, representatives of the local and national media.



The book reached the libraries of poetry lovers in the country, but also in the Romanian communities all over the world.

Finally, the author expressed his intention to maintain the tradition and to organize a new book launch on the occasion of the National Day in 2023.

Prof. dr. Ioana Ioana Bianca CHIȚU
Faculty of Economic Sciences and Business
Administration

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CULTURAL HERITAGE – A TRIBUNE OF DIALOGUE BETWEEN GENERATIONS

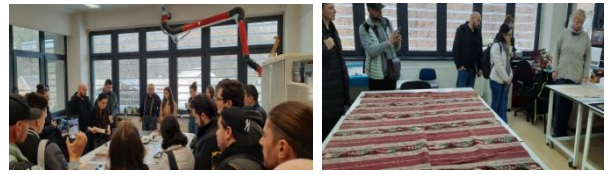
The first semester of the academic year 2022-2023, at the Faculty of Furniture Design and Wood Engineering, marked, in the academic agenda of the graduate students in the study programme *Furniture Eco-Design and Restoration*, two important documentation visits, in order for them to get to know the cultural heritage and the opportunities for their professional development.



The first site was *Gheorghe Cernea* Ethnographic Museum of Rupea, Braşov county, a museum that evokes the rural world, the main occupations and traditions specific to the local Transylvanian-Saxon, Romanian and Hungarian population. Special attention was paid to the wooden heritage, with an emphasis on traditional painted furniture.



Another important site was *ASTRA Centre for Heritage* and *ASTRA Museum of Traditional Popular Civilization* of Sibiu. On this occasion, a collaboration of over 20 years with the group of restorers and conservators of the centre was renewed. The day's agenda included visiting the restoration laboratories for wood and polychrome wood, icons on glass, ceramics, textiles, leather, as well as the storage and preservation spaces for mobile cultural assets, and the open-air museum.



A historical monument recently saved from destruction is the church of Vinţa, Alba county, relocated to the museum premises, following one of the most complex and beautiful restoration projects, which included interventions both on wood and on about 100 m² of painting on wood inside the church.



Next, the foray into the museum allowed visitors to know the variety, size and importance of the Romanian heritage and traditional civilization.

The access to the collections in the museums, but also to the conservation-restoration laboratories was thus a good opportunity for the graduate students of our faculty to open up new horizons of knowledge and to identify new strategies for personal development, to create new connections with professionals in the field. Equally, these visits illustrate the need for dialogue between the past and the present, for the understanding of the "cultural heritage" and for responsible action in the spirit of a shared goal: the promotion and preservation of the national cultural heritage.

Lect. dr. Eng. Emanuela BELDEAN
Prof. dr. Chem. Maria Cristina TIMAR
Faculty of Furniture Design and Wood Engineering

SUCCESSFUL ALUMNI - ENG. BOGDAN MICU



Eng. Bogdan Micu graduated in 2008 from the five-year study programme Applied Electronics study programme, within the Faculty of Electrical Engineering and Computer Science. Bogdan Micu has recently come to public attention with

the modelling of the evolution of the coronavirus epidemic, the results of which proved to be very close to reality. Bogdan Micu is a successful entrepreneur who used part of his financial power for the community's benefit. At the 10-year reunion after graduating from college, Bogdan Micu stated that it is his propensity for entrepreneurship, combined with the knowledge accumulated during his study years that allowed him to make his first investment in a green-power generating park. He is currently a millionaire in Euros, and his business went beyond our country's borders, spreading all over the world. However, Bogdan Micu remained a regular, everyday man who keeps doing rock climbing to relax and who is fond to remember the meetings in the mountains with his former professors.

As part of the activity for the community's benefit, Bogdan Micu was an advisor at the Ministry of the

Environment, a position in which he contributed to the *Forest Inspector* application, dedicated to tracking illegal logging. For a while, he was also an adviser on pollution issues to the Mayor of Braşov, George Scripcaru. The foundation that bears his name deals with the social integration of the human trafficking victims, but he is also involved in other activities dedicated to people. A few widely broadcast videos on the Internet publicize Bogdan Micu's entrepreneurial and charitable activity, who also came to the attention of the Forbes agency. More details about Bogdan Micu can be found in the interview at <https://leaders.ro/newsfeed/bogdan-micu-cum-sa-ajungi-milionar-in-euro-escaladand-bolovani/>.

A quote taken from the online environment characterizes Bogdan Micu's attitude: "Do not think that if you only have money and property you will find true wealth. If you don't stop at the basic needs - house, car, secure income, but you start purchasing planes for yourself, there's nothing you understood. You need to put everything you've learned as an entrepreneur for the good of all, to make it worth".

Prof. dr. Eng. Petre Lucian OGRUȚAN

Laura FLOROIAN, officer for ALUMNI IESC

Image source: <https://leaders.ro/vorbitor/bogdan-micu/>

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SONATAS FOR SAXOPHONE AND PIANO



Sonate pentru saxofon și pian

Csanád Palkó - saxofon
Gáspár Veress - pian



Din program:

Fernande Decruck - Sonate en ut#
Erwin Schulhoff - Hot Sonate
Gáspár Veress - Ethiosonata
Takashi Yoshimatsu - Fuzzy Bird Sonata

20 Ianuarie 2023, ora 19:00
Centrul Multicultural al Universității
Transilvania din Brașov



On Friday, 20 January, the Multicultural Centre of Transilvania University of Brașov hosted the concert given by Palkó Csanád (saxophone) and Veress Gáspár (piano). *Sonatas for Saxophone and Piano* is part of a tour designed to promote the saxophone as an instrument of classical music. The proposed repertoire was varied, including works representative of the 20th century's stylistic directions: Claude Debussy - *Petite Suite* (transcription by Arno Bornkamp) and *Rhapsody for Alto saxophone and Orchestra* (transcription by Vincent David), Takashi Yoshimatsu - *Fuzzy Bird Sonata*, Fernande Decruck - *Sonata en ut#*, Erwin Schulhoff - *Hot Sonata*, Ryo Noda - *MAI*, Barry Cockroft - *KuKu*, Zoltán Kodály - *Epigrams* (transcription), Béla Bartók - *Pál Arma: Suite*, *Paysanne Hongroise* (transcription), Gáspár Veress -

Ethiosonata (premiere), Georges Bizet and Francois Terminals - *Carmen Fantasy*.

Csanád Palkó began his musical studies in 2018, being admitted to the Classical Saxophone Department of the Faculty of Music within the University of Debrecen, where he studied with clarinetist and saxophonist Levente Puskás. He performed as a soloist, chamber musician or member of an orchestra in Budapest, Debrecen, Bled, Cluj-Napoca, Oradea, Satu Mare, Sighișoara, Székelykeresztúr. In 2021, he graduated from the University of Debrecen, and is currently a first-year student at *Gheorghe Dima* Academy of Music, majoring in Clarinet Saxophone, where he has Zoltán Réman as his professor.

Gáspár Veress started playing the piano at the age of 6 under Tibor Papp's guidance. In 2012, he was accepted to *Liszt Ferenc* Academy of Music of Budapest, where he had Gyöngyi Falvainé Keveházi and Imre Hargitai as professors. In 2014, due to an Erasmus scholarship, he came to study with Imre Rohmann and Tünde Kurucz at *Mozarteum* Music Academy of Salzburg. He completed his master's degree studies with Professor Adriana Bera at *Gheorghe Dima* Academy of Music of Cluj-Napoca. He won several piano competitions, including the second prize at *Mozart* Competition of Cluj-Napoca in 2014. In 2021, he was awarded his bachelor's degree in composition at *Gheorghe Dima* Academy of Music, where he is currently pursuing his doctoral studies.

Anca PAPANA
Multicultural Centre
Transilvania University of Brașov

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RECITAL OF PIANO AND CHAMBER MUSIC

On the Thursday of 26 January 2023, "Casa Mureșenilor" Museum hosted a recital of piano and chamber music performed by four young pianists, students at the Faculty of Music within Transilvania University of Brașov, class of pianist, Prof. dr. Corina Ibănescu.

Classical music was at its best, the music lovers who filled the concert hall enjoying both the varied repertoire choice and the inspired interpretation offered to the audience by Cezar Petric, Laurentiu Nistor, Nicușor Răducan and Paul Ionescu. The programme, which included works for solo piano and four-handed piano created by D. Scarlatti, J. Haydn, Bach-Busoni, I. Mureșianu, P.M. Vârlan and M. Musorgsky captivated and thrilled the audience.



The audience's attention was fully drawn by the sensitive and emotional interpretation of the two chamber works for four hands, *Ballade* op. 14 on themes from the *Ballade for Violin* by Ciprian

Porumbescu by PM Vârlan, as well as the Sonata "Il Maestro e lo Scolare" by J. Haydn, compositions through which Nicușor Răducan and Paul Ionescu proved their pianistic mastery.



At the end of the recital, Paul Ionescu, considered one of the most valuable young pianists at the national level, gave the audience an exceptional performance of Bach-Busoni's *Chaconne in D minor*, rewarded with enthusiastic applause and entreats of "encore".

Prof. dr. Corina IBĂNESCU
Faculty of Music

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IN MEMORIAM - PROF. DR. ENG. DHC GHEORGHE BOBESCU (1932 – 2015)



Born on 20 August 1932, in Telega, Prahova county, Professor Gheorghe Bobescu graduated from the Department of Automobiles and Tractors within the Polytechnic Institute of Braşov, in 1956. He began his academic career the very same year, as an Assistant Professor within the Department of Automobiles and Tractors. In 1968, he defended his doctoral thesis at the Polytechnic Institute of Braşov, a thesis which he completed under Professor Radu Mărdărescu's scientific supervision, and which he entitled "Study on the influence of heating the fuel mixture over the possibilities of increasing the power and yield of the differential-cooling engine". In 1977, he became a Professor at the Department of Automobiles and Tractors and he held, over time, the chair of the disciplines: Turbomachines, Internal Combustion Engines, and Special Techniques for reducing Fuel Consumption and Limiting Exhaust Emissions in Motor Vehicles.

Due to his didactic and scientific prestige, in 1977, Professor Bobescu became a doctoral supervisor in the field of Mechanical Engineering. He coordinated and let 49 doctoral theses to successful

completion. In terms of management, he was a Vice-Dean for four years, between 1972 and 1984; moreover, he led the Faculty of Mechanics for another eight years as a Dean. During this time period, Professor Gheorghe Bobescu was the main craftsman in the creation of the Departments of Sub-Engineering in Automobiles at Miercurea-Ciuc and Câmpulung-Muscel, as well as of the Department of Fine Mechanics within the University.

In recognition of his activity of training young specialists, of the successes achieved in scientific research and of the contribution made to the development of the *Road Vehicle* specialization, Professor Gheorghe Bobescu received, in 1997, the title of Doctor Honoris Causa of the Technical University of Chişinău, and in 2006 the title of Doctor Honoris Causa of "Ovidius" University of Constanţa.

Professor Bobescu's professional qualities were complemented by those of Bobescu the man. Throughout his life, he was considered a friend of the students, he constantly proved himself a devoted colleague and friend, always ready to help with his expertise and knowledge. He was an even-tempered man, a very good diplomat and calm mediator in tense situations.

Lect. dr. Janos TIMAR
Faculty of Mechanical Engineering

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