



**Transilvania
University
of Brasov**

NEWSLETTER

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TRANSILVANIA UNIVERSITY OF BRAȘOV – FOR THE FIRST TIME IN THE PRESTIGIOUS INTERNATIONAL RANKING *TIMES HIGHER EDUCATION – WORLD UNIVERSITY RANKINGS 2021*

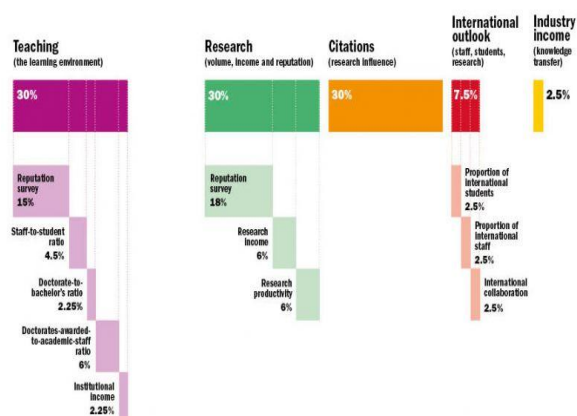
Transilvania University of Brașov was included for the first time in the prestigious international ranking *Times Higher Education – World University Rankings 2021*, published in early September 2020. Entered in the ranking on the 1001+ position, the academic institution of Brașov occupies the third place, along with 10 other Romanian universities, among the 13 universities of our country that were included in this international ranking.

RANKING		SCORES			
Rank	Name Country/Region	No. of FTE Students	No. of students per staff	International Students	Female:Male Ratio
1001+	Transilvania University of Brașov Romania	19,123	21.5	1%	52 : 48

The Ranking *Times Higher Education (THE) – World University Rankings 2021* includes the best performing 1.527 universities among over 20.000 higher education institutions from 93 countries and regions, and it can be considered the most comprehensive and diverse university ranking to date.

This ranking is based on 13 performance indicators grouped into five general areas: teaching activity, research or scientific performance (in terms of volume, revenue and reputation), research impact (citations), international visibility (through the academic community, students, research) and knowledge transfer to industry society.

The complete results can be accessed at the link: <https://www.timeshighereducation.com/>.



The Rector of Transilvania University of Brașov, Prof. Dr. Eng. Ioan Vasile Abrudan, said about this new achievement: “We are very happy with this performance, which a few years ago seemed an almost impossible goal to achieve. In fact, lately, our university has been the Romanian university with the highest increase in visibility from the perspective of international rankings. The merit belongs to the entire university community of Brașov, and our efforts to increase teaching and research performance will intensify in the coming years”.

In the last year, Transilvania University of Brașov marked the highest rise of a Romanian university in the international ranking *Center for World University Rankings (CWUR)* as well as in the international *QS* ranking of universities in Emerging Europe and Central Asia. Moreover, it entered for the first time the prestigious international ranking *Shanghai* by fields and the international ranking *Times Higher Education – Impact Rankings* (third place in the top of Romanian universities).

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Office of Marketing and Image
Source: www.unitbv.ro/stiri-si-evenimente

BLUESTREAMLINE AND THE FIRST CONCRETE STEP TOWARDS ELECTRIC MOBILITY

The year 2017 was a full season for BlueStreamline, but it also brought along a challenge called *InfoCarRace*, a project initiated by Grigore Moisil National College of Informatics under the umbrella of Braşov Community Foundation.

Together with *Siemens Industry Software* Romania, the racing team of Transilvania University of Braşov – BlueStreamline was co-opted as a project partner. The project aimed to form three teams of pupils to assemble and set into operation three Formula 24 single-seater kit cars. After two summer months spent in *Siemens Industry Software* training space and in the assembly space provided by the university of Braşov, the three teams managed, under the careful coordination of BlueStreamline members and Siemens specialists, to line up the three functional cars in *Coresi Shopping Resort* car park, at the start of an endurance test attended by approximately 1.500 local people.



Upon completion of this stage, the project further aims to form a team (*Binary Racing*) capable of developing an electric car of their own design for Formula F24+, qualified to compete in the international final at *Rockingham Motor Speedway*. The high school pupils on the brink of graduation managed to complete the technical project, and then to go through a phase of partial execution of the tubular aluminium chassis. The graduation took them on different paths, but some of them are in the BlueStreamline team today.

Now, three years later, in a 2020 in which pandemic restrictions cancelled in turn the three *Formula Student* competitions for which BlueStreamline had prepared during the whole season by building a single-seater car and testing it, the F24 + electric car project was resumed in August. The BlueStreamline members, in conditions of distancing,

with masks on their faces and with unaltered will, decided not to leave their dreams unfulfilled and they completed the prototype with all the necessary modifications to mature the project. The four weeks meant a new challenge, but also a step in a priority direction - electric mobility.

The *Silver Bullet* single-seater car was completed and tested right on University Hill and is a natural step which the team intended to take, that is, of addressing electric mobility both in the Student formula (electric car class) and in the framework of F24+.



The impact of this action has aroused the interest of the general public and of many companies in the *automotive* field, and several opportunities have arisen to develop the applied research conducted by students in a priority and up-to-date direction: electric mobility.



It is worth mentioning the dream that can materialize under the coordination of BlueStreamline, namely to have a Romanian regional stage of Formula F24 + eventually leading to the international final in Rockingham!

Assoc. Prof. Dr. Eng. Mihai COMŞIŢ
Coordinator BlueStreamline
Faculty of Product Design and Environment

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BRAȘOV IN THE MAKING. ATMOSPHERE, ARCHITECTURE AND URBAN SPACE

Outdoor exhibition by Teofil Mihăilescu

Brașov has, starting with September 2020, a new square, a new public space, a new "agora": Brassăi Square.



Making the pedestrian connection between După Ziduri [*Behind the Walls*] Alley (towards "George Barițiu" Library) and Mureșenilor Street (towards Piața Sfatului), this place full of charm and urban intimacy bears the name of the local photographer Gyula (Julius) Hálasz (1899-1984), known to the world of art photography history of the 20th century as Brassăi.



Symbolically, the new public space reminiscing by its name the memory of the great photographer Brassăi was inaugurated with an outdoor exhibition of architectural photography signed by Teofil Mihăilescu, entitled *Brașov in the making. Atmosphere, architecture and urban space*

The exhibition bears the very name of the picture monograph of Brașov, authored by Teofil Mihăilescu (published at Transilvania University Press of Brașov in 2015, and launched at book fairs in Brașov, Bucharest, Paris, Torino and Beijing) being one of the visual expressions of the author's urban anthropology project, focused on Brașov as its object of study and exploration. The exhibition comes under a series of cultural events of Teofil Mihăilescu, which are the outcome of his research and photography work conducted since 2009, with a view to closing an

arch over time starting from the late 19th century's Brașov and ending in the early 21st century's Brașov, in a portfolio of pairs of photographs taken today of the same places where the old photographers took their photos in the past.



An event organized at the invitation and within TAMTAM Festival 2020, through its location, display, presentation peculiarities (print on OSB, a premiere in Romania) and the significant twin photos chosen (illustrating the urban development in emblematic places) - the exhibition invites to the (re)discovery of Brașov, its architecture and atmosphere in a space-time continuum, to carry it in the soul forever as it happens with someone dear without whom we cannot live. In this sense, the twin photos personify Brașov in a concept presenting it as it would portray a being that is one thing, only to be a whole other straight away; and yet, regardless of changes, remains the same.



The exhibition was opened on Friday, 11 September 2020, on the occasion of the concert "Homage to Nat King Cole" held by Brașov Philharmonic, under the baton of conductor Cristian Oroșanu, both events enhancing each other in a cultural event of reference.

Prof. Dr. Architect Teofil MIHĂILESCU

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AMURAL RACORDAT TRANSILVANIA UNIVERSITY

Exhibition of interactive art and AV performance

Between 27 August and 3 September 2020, at the Multicultural Centre of Transilvania University, *BIOS - An Interactive Art Exhibition about the Anthropocene* presented eleven works of digital and interactive art, which explore the relationship between humanity, technology and the planet, as well as the implications arising from the central role played by man in the dynamics of the environment.



According to the curator of the exhibition, Alina Rizescu, "*Anthropocene* is the name proposed for this period in which life on the planet depends on our actions. BIOS talks about the interaction between the natural environment and technology.



The name of the exhibition refers to life (gr. βίος) and to the basic *input/output system*, which underlies the communication between the operating system and computer components". The installations were made in a collaborative research and creation process brought to life by Alina Rizescu, Dorin Cucicov, Maria Năstase, Adrian Tăbăcaru, Octavian Albu, Emil Drăgan, Dan Adrian Ionescu,

Răzvan Pascu, Sebastian Comănescu, Matei Băcan and Bogdan Ștefănescu.



In recent years, their works have been exhibited in the country and abroad, at Fête des Lumières (Lyon), Ars Electronica (Linz), Mirage Festival (Lyon), Amural Festival, the White Night of Galleries, the Night of Museums or the National Museum of Contemporary Art. The project is produced by RIZI, a design studio at the intersection of architecture, technology and communication, supported by UNATC-Cinetic and co-financed by the National Cultural Fund Administration, in partnership with Amural festival.

The collaboration between Transilvania University of Brașov and Amural also produced this year an audio-visual performance offered by the artists Cote and Moduler, who spectacularly illuminated the façade of the Rectorate on the second evening of the festival.

Maria GHIURȚU
Multicultural Centre of Transilvania University

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VIBRATE!FESTIVAL, SIXTH EDITION – CONTACT

Integral of Beethoven's symphonies in momentous chamber music transcriptions

Transilvania University of Braşov and the Multicultural Centre were among the closest partners of Vibrate festival this year as well, hosting five of the six concerts of this 6th edition. Between 20 to 26 September 2020, the public could listen in the concert hall or at home to the integral of Beethoven's symphonies in historical chamber music transcriptions.



“This year, when we celebrate 250 years from Ludwig van Beethoven's birth, we need more than ever his Symphonies - symbols of the human spirit's strength and communion with fellow human beings”.

The chamber transcriptions signed by Beethoven himself and his illustrious disciples and colleagues aimed to bring the Symphonies in a familial setting, before the advent of recording technology, and at a time when symphonic concerts were less accessible to the general public.



The challenges of 2020 determined us to take on the mission of recovering this musical practice from the 19th century, first at home, in Braşov, and then on trips to Turda and Bucharest”, says Vlad Maistorovici, the director of the festival.

Organized by the Cultural Association “Paul Constantinescu 2009”, in collaboration with Raţiu House and *Raţiu Democracy Center*, co-financed by AFCN and by *The Raţiu Family Charitable Foundation*, the festival enjoyed the presence of the performers Ion Bogdan Ştefănescu (flute), Diana Ionescu (piano), Vlad Maistorovici (violin), Ştefan Cazacu (cello), Adrian Vasile (viola), Andreea Țimiraş (cello), Ioan-Dragoş Dimitriu (piano), Andrei Stanciu (violin) and Emma Rotomeză (viola).



The University's Sergiu Chiriacescu Aula hosted a significant moment of the festival, namely the launch of *Lockdown Symphony* by Vlad Maistorovici, after a song by Sarah Vienna entitled *My Home Braşov*. The song is the chamber version of *Braşov Symphony for orchestra, organ and choirs*, adapted for eight performers during the Covid-19 crisis and it can be listened to on the YouTube page of the Multicultural Centre.

Maria GHIURȚU
Multicultural Centre of Transilvania University

THE MONTH OF COMPETITION-EVENTS AT THE FACULTY OF LETTERS

Goncourt Award / Choice of Romanian students

Conducted under the patronage of Goncourt Academy, the project "Goncourt Award / Choice of Romanian Students" brought together, starting with 15 September 2020, a jury composed of students in seven departments of French literature at seven Romanian universities, including Transilvania University of Braşov. Before the final deliberation, hosted by the University of Bucharest, the local deliberation took place in each university centre.



The student jury of the Faculty of Letters was composed of Marina Ababei, Emanuela Chirilă, Adriana Dima, Loredana Lisnic, Daniela Pană, Biatricia Petrov, Bianca Rădulescu, Mălina Robu, Alina Todor and Andra Țintea, under the coordination of Assoc. Prof. Dr. Matei Alexandru. The process was divided into two stages: "semifinal" (the best five novels out of the 15 on the extensive list) and "final" (the best novel out of the five initially chosen).

During the final interuniversity meeting, organized in the online environment, on 29 October 2020, Chirilă Emanuela motivated the choice of the Faculty of Letters within Transilvania University of Braşov.

"Alexandru Muşina" Competition of Debut in Poetry, 7th edition

Launched in the very month of April, this year, the 7th edition of the Competition of Debut in Poetry "Alexandru Muşina" announced its winners in September. The Faculty of Letters of Transilvania University of Braşov, together with Aula Magna Publishing House, and in partnership with Tracus Arte Publishing House of Bucharest, organizes this competition, and the prize consists in granting the amount of 500 euros and in publishing the winning

volume at Tracus Arte Publishing House, in the AM special collection.



This year's edition welcomed a record number of manuscripts and the participation of many good poets. As a result, the jury of the competition (consisting of Alexandru Cistelean - chairman, Ruxandra Cesereanu, Romulus Bucur, Caius Dobrescu, Radu Vancu and Adrian Lăcătuș) awarded the manuscript of the poet Antonia Mihăilescu as the winner of Alexandru Muşina competition.

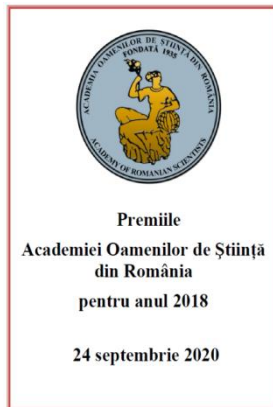
Appreciating the special value of two more manuscripts, the jury awarded the Budila Express Prize (publication of the volume in the AM collection of Tracus Arte) to the poet Andrei Codrin Bucur and the King of the Morning Prize (publication of the volume in the AM collection of Tracus Arte) to the poet Lena Chilari.

Two other manuscripts, signed by Alexandra Pâzgu and Florin Cosmin Bobei, very close to the value of the winners, were awarded with mentions and will appear in the AM collection of Debut in Poetry of Tracus Arte Publishing House.

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PROFESSORS WE TAKE PRIDE IN - TUDOR DEACONESCU

Awarded by the Academy of Romanian Scientists



On 24 September 2020, the Academy of Romanian Scientists (AOSR) organized the annual award for the most important achievements obtained in 2018, in the fields of scientific research. Several books were awarded within the sections of military sciences, technical sciences, historical and archaeological sciences and philosophy, theology and psychology.

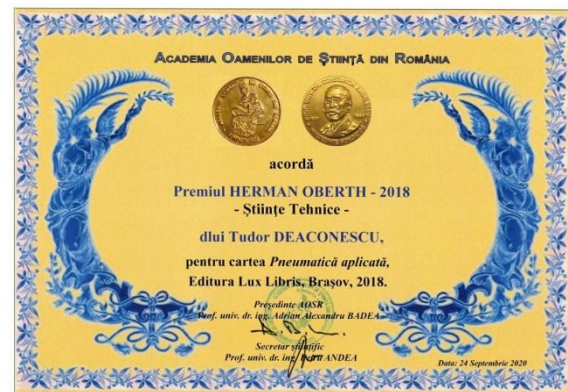
The Awarding Gala took place in the Aula of "Carol I" Central University Library, in the presence of an audience consisting of winners, AOSR representatives and guests, under the safety and protection conditions imposed by the state of alert.

During this event, Prof. Dr. Eng. Tudor Deaconescu, teaching staff member at the Faculty of Technological Engineering and Industrial Management, Department of Engineering and Industrial Management, received Herman Oberth award in the Technical Sciences section for the book "Pneumatică aplicată" [*Applied Pneumatics*], published by Lux Libris Brașov in 2018.

Prof. Dr. Eng. Adrian Alexandru Badea – the President of AOSR and Prof. Dr. Eng. Anton Hadăr – President of the Technical Sciences Department awarded the prizes. They emphasized that the author of the volume is a distinguished name in the field of fluid, pneumatic and hydraulic drives, his scientific activity focusing mainly on the complex issues raised by the use of pneumatic muscles in practical applications.

According to Agerpres, within the Awarding Gala, Prof. Dr. Eng. Adrian Alexandru Badea, President of

AOSR, said "The Academy of Romanian Scientists abides by its creed that education, science and culture are the triggers of the country's modernization and development, the pillars of its European destiny. This is the fundamental principle of our Academy, governing its activity from its establishment in 1935 to this day. This year as well, after a selection process based on demanding and objective criteria, AOSR rewarded the outstanding results in the fields of scientific research, as a way of appreciating the efforts and performance of researchers.



We are convinced that, by recognizing value, by promoting meritocracy, at a wider level in Romanian society, especially by encouraging talents in science and research, we will succeed in contributing to the European progress of our country."

The team of the Engineering and Industrial Management Department congratulates Prof. Dr. Eng. Tudor Deaconescu for the award received, as well as for his entire scientific and didactic activity.

Lecturer Dr. Eng. Ioana PETRE
Faculty of Technological Engineering and Industrial
Management

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IN MEMORIAM – PROF. EMERIT DR. ENG. VIDA IOAN VICTOR HOFFMANN



1926-2017

He was born on 16 September 1926 in Arad. After completing the primary school in his hometown between 1933 and 1937, he attended the courses of “Moise Nicoară” High School in Arad, from which he graduated in 1945. He then decided on the Faculty of Electromechanics, specializing in Mechanics, within the Polytechnic Institute of Timișoara, between 1945 and 1950. He continued his studies with a doctorate in Moscow, at the Institute for Mechanization and Electrification of Agriculture, between 1950 and 1954, concluded with a doctoral thesis under the supervision of academician Prof. Dr. Eng. Vasile Boltinski. Upon his return to the country, he held the following administrative positions: Deputy Director at the Institute of Mechanics Brasov, Head of the Thermotechnics and Fluid Mechanics Department, Dean of the Faculty of Mechanics, Vice-Rector and then Rector of the Polytechnic Institute of Brasov, which later became “Transilvania” University of Brașov.

His research focused on: non-stationary gas flow in the intake and exhaust systems of piston engines;

intensifying convective heat transfer; heat exchanger with intermediate fluid and thermal tubes; optimization of radiators for vehicles; gasification of lower solid fuels; informational study of thermal systems. He taught the course of “Thermotechnics and thermal machines”; moreover, he published four specialized books, as well as 105 articles in “Studies and Research”, a journal of the Romanian Academy, and in other specialized journals.

High-value professor and outstanding researcher, the elite academic Prof. Emerit. Dr. Eng. Vida Ioan Victor Hoffmann is a legendary figure of Romanian Thermotechnics. It is worth mentioning the special contribution of Prof. Dr. Eng. Victor Hoffmann, Rector at the time (1961 - 1966), to the construction of the entire ensemble of buildings on Colina Campus. Through Prof. Dr. Eng. Victor Hoffmann’s prestige and through his insistence upon the Ministry of Education, the projects and financing for all the other buildings were obtained. Large-scale laboratory installations could be placed in H building for both teaching and research purposes.

In 1993 he was awarded the Special Prize of the Romanian Society of Thermotechnicians for his entire activity, the distinction of Professor Emeritus and of Doctoral Supervisor in the field of Thermotechnics, Thermotechnics and thermal machines, Thermotechnics, thermal and refrigeration machines.

Lecturer Janos TIMAR
ALUMNI Officer,
Faculty of Mechanical Engineering

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