



**Transilvania  
University  
of Brasov**


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# NEWSLETTER

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No. 97 May 2020

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## BIMHEALTHY PROJECT – SUCCESSFUL COLLABORATION BETWEEN THE FACULTY OF CIVIL ENGINEERING AND THE FACULTY OF MEDICINE, TOGETHER WITH INTERNATIONAL PARTNERS

BIMHealthy Project (*Housing as a strategy for the promotion of health from an intersectoral and multidisciplinary approach* - 2019-1-ES01-KA203-065060) aims to develop the interoperability between buildings and their users' health, by promoting healthy housing as a global model, both in terms of the built environment and of the public health, all this with the help of new BIM technologies (*Building Information Modelling*) as tools for building design and control.

The project has a two-year implementation period (2019 – 2021), the project coordinator is Fundación Univeritaria San Antonio of Spain, and the partners are: Asociación Empresarial de Investigación Centro Tecnológico del Mármol, Piedra y Materiales and Instituto de Investigación Sanitaria y Biomédica de Alicante of Spain, Politechnika Warswaza and Datacomp spolka z ograniczona odpowiedzialnoscia of Poland. Another project partner is Transilvania University of Braşov, through the Faculty of Civil Engineering – Department of Civil Engineering, Design Centre of PRO-DD Institute and the Faculty of Medicine – Department of Fundamental, Prophylactic and Clinical Disciplines, Centre for Fundamental Research and Prevention Strategies in Medicine.

The project objectives include:

- comparative studies on the legislative and technical regulations in the participating countries, applicable to the construction sector, with reference to the conditions regarding the building occupants' health;
- studies of specialized articles which correlate, based on scientific evidence, different environmental factors that may influence the users' health;
- a guide of design techniques, methods and social habits for promoting healthy housing;
- an interdisciplinary curriculum on the building occupants' health and safety, by integrating BIM methodologies as tools for the design and control of buildings;
- multiplication activities in the partner institutions:

design and social habits; housing as a health manager; promoting healthy housing as habitat models; interactive methodology for learning the BIMHealthy tool applied to the construction sector.

The first project meeting took place in Cehegin (Murcia, Spain) in December 2019, a meeting in which the general aspects of the project were discussed and the work teams and the previous experiences of each partner were presented.



Given the international situation specific to the Covid-19 pandemic, the second working meeting of the project took place on 28 April 2020 in online format, with the UNITBV team members' active participation in the discussions.

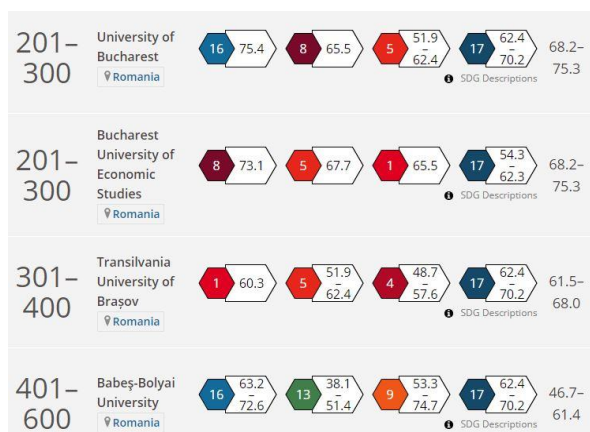


The stages of the ongoing joint activities and the possibilities for partial dissemination of the results obtained were highlighted; moreover, the plans of the activities scheduled for the next period were updated.

Lecturer Dr. Eng. Radu MUNTEAN  
Local Coordinator UNITBV; Project Manager  
Faculty of Civil Engineering  
Prof. Dr. Mihaela BADEA, Quality Manager  
Faculty of Medicine

## TRANSILVANIA UNIVERSITY OF BRAȘOV, IN A NEW INTERNATIONAL TOP: TIMES HIGHER EDUCATION (THE) IMPACT RANKINGS 2020

Transilvania University of Brașov ranks third in the top of Romanian universities in a new international ranking that evaluates higher education institutions according to their impact on society.



End poverty in all its forms everywhere



Achieve gender equality and empower all women and girls



Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all



Strengthen the means of implementation and revitalise the global partnership for sustainable development

The ranking made public by *Times Higher Education – World University Rankings*, now in its second edition, includes 767 universities across 85 countries. Seven universities in Romania are in this top, the first two positions being occupied by the University of Bucharest and the Bucharest University of Economic Studies, both of them situated among the universities on the 201-300<sup>th</sup> places.

Transilvania University of Brașov ranks third

among the Romanian Universities, in the international 301-400 segment, but before other institutions, such as: “Grigore T. Popa” University of Medicine and Pharmacy of Iași, University of Medicine and Pharmacy of Târgu-Mureș, “Babeș-Bolyai” University of Cluj-Napoca, or “Ion Mincu” University of Architecture and Urban Planning of Bucharest.

*Impact Rankings 2020* evaluates the participating universities according to how they manage to meet the sustainable development goals set by UNO. In evaluating university performance, 17 UNO objectives were taken into account: (1) poverty degree, (2) hunger degree, (3) health and wellbeing degree, (4) quality education, (5) gender equality, (6) clean water and hygiene, (7) clean and accessible energy, (8) decent work and growth, (9) industry, innovation and infrastructure, (10) low inequalities, (11) sustainable cities and communities, (12) responsible consumption and production, (13) climate actions, (14) the degree of underwater life, (15) the degree of life on land, (16) peace, justice and strong institutions, and (17) partnerships concluded to achieve the goals. Furthermore, the indicators were defined to provide comparisons in three general fields: research, information and administration

In the second edition of this international top, the list of higher education institutions is again headed by the University of Auckland, New Zealand. The following positions are occupied by three Australian universities: University of Sydney, Western Sydney University and La Trobe University. Japan is the most represented nation in this top, with 63 institutions, followed by Russia with 47, and by Turkey with 37.

Synthesis made by Victor BRICIU,  
www.unitbv.ro/stiri-si-evenimente

Credit photo: www.timeshighereducation.com

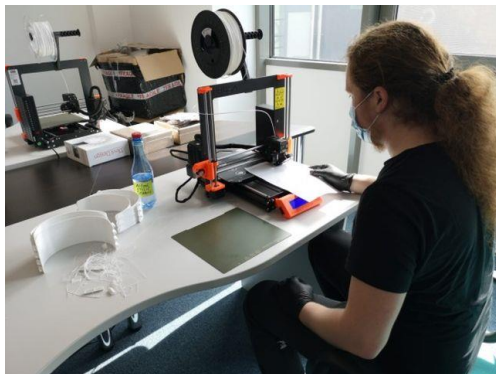
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## SUPPORTING THE MEDICAL STAFF WITH 3D VISORS PRINTED AT UNITBV

Within the international project *3D Printing Support Service for Innovative Citizens* (INNO3D), 598661 - EPP - 1 - 2018 - 1 - RO - EPPKA2 - CBHE - JP, conducted between 2019 and 2022, in which Transilvania University of Braşov is a partner, a volunteer action was developed to combat the coronavirus SARS-CoV-2 (COVID-19) infection, the pandemic triggered worldwide.



INNO3D team of UNITBV university of Braşov took the initiative of Prof. Santiago Fernandez Bou, from the University of Valencia, Spain, an INNO3D partner. The team analysed the model proposed by the Professor and the one offered by the company PRUSA, a 3D printer manufacturing company, and coordinated a local project for the production of visors for the medical staff in Braşov hospitals.



Starting from the two models, optimizations were made, so as to reduce the working time (important in these conditions) and to obtain visors that meet user demands (good ventilation of the face, comfort of use, possibility of sterilization).



Furthermore, improvements were made to the visor design, some of them being even inscribed with the name of Transilvania University of Braşov.

This activity, which was attended by a group of volunteer teaching staff and students at the Faculties of Product Design and Environment and Mechanical Engineering, mainly aimed to make a mask intended for the protection against infection of the medical staff of the Infectious Diseases Hospital in Braşov, or any medical institution in need of these materials.



The activity entailed manufacturing by 3D printing, several variants of second-line protection masks, with visor and 3D printed support, which were sterilized at the hospital, in the area of use. These masks were made on the 3D printers of the volunteer students and of the laboratories within Transilvania University of Braşov. Thus, the 10 volunteer students, a doctoral student and two academics manufactured around 800 visors, reaching 11 hospitals. A touching action, wholeheartedly supported by the Rector of UNITBV, Prof. Dr. Eng. Ioan Abrudan.

Prof. Dr. Eng. Dr. Marketing Angela REPANOVICI  
Faculty of Product Design and Environment

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## INVOLVEMENT IN COVID-19 FIGHTING: TUNNEL FOR DISINFECTION

Teodor Celestin Delaport, a graduate of the *Engineering and Business Management* study programme, currently attending the *Industrial Business Management* master's degree programme, president of *Young Motivation* Association, became involved in fighting COVID-19.



Thus, together with an associate, he built and donated to the Municipal Hospital of Câmpina a tunnel for disinfection. "The idea of doing a good, efficient and impactful thing for the community has been on my mind for some time, since I have been volunteering for almost 10 years. Together with an associate, Emanuel Dumitrică, currently a student, also of Transilvania University of Braşov, I made this tunnel.



Depending on the budget allocated by the buyer, it may have between 3 and 8 spray nozzles and one or more UVC lamps for disinfecting the upper part of the body / equipment. Unlike other tunnels,

aldehyde-based disinfectants are used, approved by the Ministry of Health. In this way, we have eliminated the risk of ignition of the electrostatically charged materials, existing in other tunnel manufacturers that use disinfectant based on alcohol (flammable) or chlorine (which stains textiles and irritates the skin).



We also performed a disinfection procedure that was tested and improved, so we determined that a person needs about 8-12 seconds for a complete and correct external disinfection. The tunnel is powered at 230V, it benefits from motion sensors to make disinfectant consumption more efficient. I can tell you that, in heavy use, in a COVID-19 support hospital, it has a consumption of approx. 2.14 l / disinfectant / day".

The two young people project was presented by the local news channel from Câmpina and, at national level, in a PRO TV report.

Assist. Prof. Ioana Mădălina PETRE  
ALUMNI Officer,  
Faculty of Technological Engineering and  
Industrial Management

## 25<sup>TH</sup> EDITION OF THE COMMUNICATION SESSION OF THE STUDENT SCIENTIFIC CIRCLES WITH INTERNATIONAL PARTICIPATION - SECOSAFT 2020



UNITBV students, along with students from other universities of Romania and abroad, participated in SECOSAFT, the scientific communication session organized by "Nicolae Bălcescu" Land Forces Academy of Sibiu, which took place between 26 and 28 March 2020. For his edition, organized in the online environment, 347 undergraduate and graduate students from Romania, Bulgaria, the Czech Republic, France, Georgia, Greece, Poland and Serbia registered, and 301 scientific papers were presented.

Transilvania University of Braşov was represented by the students of the Faculty of Sociology and Communication (FSC) in the section dedicated to humanistic and social sciences, under the coordination of Prof. Dr. Claudiu Coman. The students participated with many interesting papers, such as:

1. *A Semiotic Approach towards Changing the Visual Identity of an Organisation. Case Study: Rebranding of the Faculty of Sociology and Communication Brasov*, Vlad Bătrânu-Pinţea;
2. *Transilvania University of Braşov: Brand Ambassador of Braşov*, Maria Cristina Bularca;
3. *Urban Development through the Activity of Cultural Branding*, Anca Cristina David (Ilie);
4. *Communication Plan for Transilvania University of Braşov/ Unic in UNITBV*, Georgiana Grigore;
5. *Promoting University Education in Social Media, Case Study: Transilvania University of Braşov. Concept: Student in the Center*, Sergiu-Mihai Hodaş;
6. *Brand Analysis. Successful Brands in Braşov. Case Study: Vegis.ro*, Maria Mădălina Popica;
7. *Brand in Braşov*, Georgiana Denisa Roşca;
8. *The Integrated Brand of the City of Braşov with*

*the Academic and Cultural Environment*, Andreea Tudor.

Overall, this section had 59 participants. FSC students stood out and were awarded for their scientific contribution in the field of socio-humanistic research.



Two FSC students obtained the 3rd prize for their scientific efforts and contributions. The two participants are students in the master's degree programme *Branding Campaign Management*: Georgiana Grigore, 1<sup>st</sup> year, respectively Vlad Bătrânu-Pinţea, 2<sup>nd</sup> year.

Prize	Name and Surname	Institution
<b>SECTION 4: HUMANITIES AND SOCIAL SCIENCES</b>		
I	MATHE-KISS Ionela-Bianca	"Nicolae Bălcescu" Land Forces Academy, Sibiu
II	IGNAT Luiza-Denisa	"Nicolae Bălcescu" Land Forces Academy, Sibiu
	TICHÝ Adam	University of Defence in Brno
III	BĂTRĂNU-PINŢEA Vlad	"Transilvania" University, Braşov
	CHIŢORANU Florin-Valeriu	"Nicolae Bălcescu" Land Forces Academy, Sibiu
	GRIGORE Georgiana	"Transilvania" University, Braşov

We hope that, in the future, the partnership between Transilvania University of Braşov and "Nicolae Bălcescu" Land Forces Academy of Sibiu will be maintained and even developed in order to carry out other activities for the benefit of students.

It is worth mentioning that the papers which the students participated with will be published in a volume comprising each student's articles, ideas and research, to be subsequently used as examples or food for thought by anyone interested.

Vlad BĂTRĂNU-PINŢEA, 2<sup>nd</sup>-year student,  
*Branding Campaign Management*  
master's degree programme

## STUDENT SCIENTIFIC COMMUNICATIONS SESSION AT THE FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

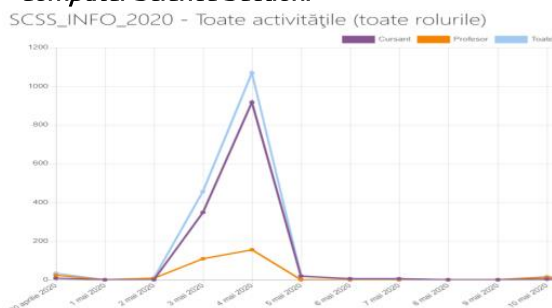
The Faculty of Mathematics and Computer Science organized online, on 4 May 2020, the *Student Scientific Communication Session (SCSS) 2020*. Organizing this student scientific communication session stimulated the scientific research activity within our student team.

The session took place in two sections: *Informatics* and *Mathematics*. Sixteen papers were presented in the *Computer Science* section, and 8 papers were presented in the *Mathematics* section.

The students' papers in the *Mathematics* section were moderated by Prof. Dr. Dorina Răducanu, while in the *Computer Science* section, by Assoc. Prof. Dr. Livia Sângeorzan. The online communications saw discussions arising on new possibilities to approach the presented research topics. SCSS highlighted the research capability of some students at the Faculty of Mathematics and Computer Science. The students participating in both sections were guided in preparing the communications by the following academics: Prof. Dr. Dorina Răducanu, Prof. Dr. Marin Marin, Prof. Dr. Radu Păltănea, Assoc. Prof. Dr. Livia Sângeorzan, Assoc. Prof. Dr. Nicoleta Voicu, Assoc. Prof. Dr. Lucian Sasu, Assoc. Prof. Dr. Nicușor Minculete, Assoc. Prof. Dr. Adrian Deaconu, Lect. Dr. Constantin Aldea, Lect. Dr. Anca Vasilescu, Lect. Dr. Honorius Gâlmeanu and Assist. Prof. Dr. Luciana Majercsik.

At the end of the event, the following prizes were awarded, by sections:

### Computer Science Section:



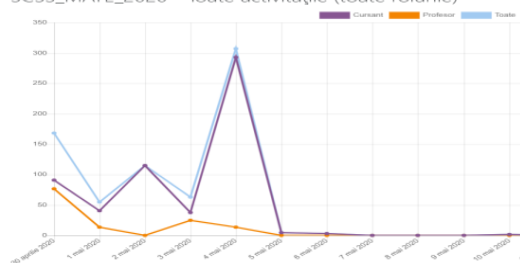
- 1<sup>st</sup> prize: Timotei Ardelean (*Pose Manipulation with Identity Preservation*);
- 2<sup>nd</sup> prize: Mădălina Chițu (*Fuzzy Image Reconstruction*);
- 3<sup>rd</sup> prize: Georgian Andrei Sîșiic (*Interpolating*

*Shots in High-Speed Shooting*); Petru Valentin Rădulescu (*Trip Weather*); Andrada Șerban and Radu Toderuțiu (*BallsBattle in Greenfoot*);

- 1<sup>st</sup> mention: Miruna Durac (*Vocal Activity Recognition*);
- 2<sup>nd</sup> mention: Florin Sacadat (*Remedying Motion Blur in Video Sequence*); George-Andrei Pascale (*Amazing Romania*);
- 3<sup>rd</sup> mention: Alexandru Iulian Rusu and Tudor Mihai Andreescu (*INSIDE - Game in UNITY*); Mircea Stoica (*Smart Aquarium*).

### Mathematics Section:

SCSS\_MATE\_2020 - Toate activitățile (toate rolurile)



- 1<sup>st</sup> prize: Ștefan Garoiu and Bianca Vasian (*The Fundamental Lepage Equivalent of a 2<sup>nd</sup>-Order Lagrangian*); Cristina-Maria Păcurar (*Approximation with Linear and Positive Operators*);
- 2<sup>nd</sup> prize: Cristina-Maria Păcurar (*Refinements of Cauchy-Buniakovski-Schwarz Inequality*);
- 3<sup>rd</sup> prize: Izabélla Abraham (*About Isotomically Conjugate Points and Isogonally Conjugate Points*);
- Mention: Andrada Axinia (*Disturbance Methods for Differential Equations*); Bianca Vasian (*Applications of Schwarz Lemma on the Border*); Ștefan Garoiu and Bianca Vasian (*Local Symmetry Groups of Finsler Time-spaces*); Ștefan Garoiu and Bianca Vasian (*Ostrowski Inequalities for Various Types of Convexity*).

The discussions in the scientific committees of the two sections revealed that the presentations were novel, reflecting original scientific research.

Assoc. Prof. Dr. Nicușor MINCULETE

Lect. Dr. Nicoleta ENACHE-DAVID

Faculty of Mathematics and Computer Science



## ONLINE COMPETITION OF THE STUDENTS IN CLINICAL LABORATORY - LABORATORY EQUIPMENT AND DEVICES. PERFORMANCE AND PRACTICAL APPLICABILITY

*Clinical Laboratory* is the newest bachelor's degree study programme which opened its doors within the Faculty of Medicine in Braşov, in answer to an acute need on the labour market and under the circumstances of few educational units with this profile at national level. At the moment, this study programme is the only one in our country, it successfully passed the 2018 ARACIS accreditation process, and it has a modern curriculum.



### Concurs Echipe şi aparatură de laborator clinic. Performanţe şi aplicabilitate practică

Studentii anului II – Laborator clinic  
Facultatea de Medicină  
Universitatea Transilvania din Braşov  
Data – 7.04.2020  
Ora 10.00  
Locația – platforma eLearning UNITBV

This new medical specialism offers those interested the chance of high standard training, with experienced academic teaching staff and in spaces with modern facilities, both for teaching activities and for clinical practice. The students attending this study program are active and constantly participate in training activities (international summer schools in Ljubljana and Braşov), as well as in scientific events, such as international conferences (Warsaw, Bucharest and Braşov) or research projects.

On 7 April 2020, the 2<sup>nd</sup>-year students in the *Clinical Laboratory* study programme attended the third edition of the competition *Laboratory Equipment and Devices. Performance and Practical Applicability*.

This year's edition was special, since the students held online presentations, resorting to the eLearning platform of Transilvania University of Braşov.

The students evinced good knowledge of the equipment presented, they contacted distribution companies to find out some details about the

characteristics of the equipment, they watched and presented to colleagues some video materials on the operation of the devices or applications from laboratory medical practice.



The event included an additional experience for making PowerPoint presentations and mini-reports, which will be useful to them in preparing the bachelor's final papers.

The papers were analysed in terms of scientific quality, clarity of oral presentation, PPT forms and reports, and the participants received motivational points. The best presentations were awarded: 1<sup>st</sup> prize - Andreea Crafcenco and Simona Manuela Stanga; 2<sup>nd</sup> prize – Delia Olguța Croitoru, Cristian Gafton and Iulia Adriana Marinescu; 3<sup>rd</sup> prize – Katalin Lorincz, Nadia Emiliana Oprea, Mădălina Anamaria Podaru and Daniela Elena Teleky.

The specialization as clinical laboratory assistant offers graduates multiple employment opportunities both in the country and abroad, in the public or private sector, in the clinical field or scientific research. Living evidence in this regard are the graduates of this study programme, some of them even involved in research projects in other UNITBV faculties.

Given the students' special involvement, we dare say such experiences should be carried further, thus strengthening the students' motivation to continue either their work in the field of clinical laboratory – with its challenges and satisfactions, or their academic training in professional master's degree or research programmes.

Prof. Dr. Mihaela BADEA  
Faculty of Medicine

## NEW COLLABORATIONS BETWEEN BRAȘOV ECONOMIC ENVIRONMENT AND THE STUDENTS OF THE FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

Keeping the tradition from previous years, the Faculty of Mathematics and Computer Science also celebrated the University's Day by opening new collaborations between Brașov economic environment and students. This time, the meeting of the new partners with our faculty's 1<sup>st</sup>-year students at all bachelor's degree study programmes was placed under the sign of the examples from several ALUMNI of Transilvania University of Brașov, currently software developers in these companies.



Each of the three companies that expressed their desire to participate in this event, ENDAVA, @CST and e-novation, introduced themselves by the profile and specificity of their activity, but especially by the programmes they offer to Brașov.

Cornerstone Technologies, @CST, a Romanian-American company, draw the students' attention by its innovative ideas and solutions developed in the most modern fields: health, sport, e-learning, media or IoT, but also by its openness to invest in impactful start-ups. The concrete message for the students attending the event was: "If you are ready to change the world, we are offering you *the source code* of @cst.ro family! We are confident that we support the future specialists who will contribute in the development of the IT industry." The young ALUMNI who already belong in @CST family: Teodora Malec, Horia Turică, Mihnea Ioniță or Ioana Enescu can prove this.

The second part of this event was marked by a different perspective offered by the German company e-novation, which is eager to grow in Brașov next to and together with the students. During the first meeting with Brașov academic environment, the company's representatives emphasized that the basis of a strong industry is a complete educational process

at a theoretical level, synergistically intertwined with the practical experience of the next generation of specialists. This experience may be gained through early involvement in real projects with a direct impact on the economic sector, through specialized practice with involvement based on initiative, on interaction between team members and, last but not least, on innovation, in order to find optimal solutions.

ALUMNI of our institution, such as Zsolt Peter Ferenc (2003), Alina Frâncu (2004), Oana Flămânzanu (2014), Ovidiu Mihai Popa (2014), Adrian Dănuț Badicu (2011), Alexandru Marian Trunchi (2018), Ștefan Petrescu (2019), Cătălin Ioan Bălășcuță (2019) belong to ENDAVA team – one of the most important software companies present on Brașov market for about a year.



Part of its culture, ENDAVA significantly invests in programmes for students and graduates conducted in all its seven offices throughout Romania. By *Graduates, Internship* programmes, as well as *Open Day* events, the participants benefit from intensive sessions of training, mentorship, direct interaction with customers, but also *coaching* in communication and *leadership*. After an interesting question session, the students understood that all these are opportunities to identify the work environment that suits them best. Moreover, the ENDAVA specialists, by an established collaboration with the faculties, are ready to hold theoretical teaching activities and practical workshops in faculties, which sparked student curiosity about topical issues proposed.

Lecturer Dr. Anca VASILESCU  
Faculty of Mathematics and Computer Science

## PROFESSORS WE TAKE PRIDE IN - PROF. DR. ENG. STAN FOTĂ



Born on 2 October 1936, in Izvoru village, Giurgiu county, Stan Fotă is a 1954 valedictorian of *Ion Măiorescu* High School, Giurgiu; then a 1959 graduate of the Faculty of Construction Installations and Equipment, University of Civil Engineering Bucharest; subsequently, Dr. Eng. in *Thermotechnics, Thermal and Refrigerating Machines* specialism at UNITBV. His teaching activity concentrated between 1974 and 1999, being an associated academic member at Transilvania University of Braşov (Lecturer), Department of Thermotechnics and Fluid Mechanics, for the disciplines: Installations for Constructions, Heating Installations and Thermal Networks, Construction and Installation Hydraulics.

In the period 2000 – 2008, he was a full-time academic (Associate Professor) at the Faculty of Civil Engineering, Department of Installations for Civil Engineering, in the disciplines: Construction and Installation Hydraulics, Heating Installations and Thermal Networks (bachelor's degree courses); Energy Modernization of Constructions and Related Installations (master's degree course). Then, between 2008 and 2012, he was an associated academic member (retiree) at the Faculty of Civil Engineering, Chair of Installations for Civil Engineering.

He held various management positions: in the period 2000 – 2004 as Head of the Department of Installations for Civil Engineering, and from 2004 to 2007 as Dean of the Faculty of Civil Engineering.

His contributions and participation in the establishment and development of *Engineering of Constructions* and *Engineering of Installations* specialisms within Transilvania University of Braşov are worth mentioning. He contributed to the establishment of the Faculty of Civil Engineering in

2003, together with late Professor Dr. Eng. Atanasie Talpoşi. His scientific activity materializes in the publication of monographs, university courses in the hydraulic, thermal and installation engineering fields, papers in specialized journals and volumes of *installation engineering* conferences (over 70 published articles), grants and scientific research contracts (one international and three national, project coordinator), three patent specifications.

Professor Stan Fotă is Vice-President of AIIR Romania (from 2012 to date), President of AIIR Transilvania Branch, Braşov, certified project verifier for the fields: civil and industrial constructions, urban and communal household constructions, installations for sanitary, thermal, natural gas constructions. He was awarded the Diploma of Merit by the Rectorate of Transilvania University of Braşov for outstanding contributions to coordinating the design of the investment and development works for the University and Research-Development Institute of Transilvania University of Braşov.

His professional activity also materializes in the productive sector of constructions of ICIM Braşov: lot manager, site manager, site group director, enterprise technical director, site coordinator in the country and abroad. He coordinated the sites of many industrial enterprises, from 1959-1999: *Dacia Piteşti Car Plant; Tractorul Braşov, Bearings Braşov, Trucks Braşov, 2<sup>nd</sup> Plant Braşov, Screw Factory, Radiator Factory, Tool Factory, 6 March Plant Zărneşti, Mechanical Plants Cugir, Foundry Câmpina, Heavy Bearings Factory Ploieşti, Refractory Products Factory Alba Iulia, Mechanical Plant Timişoara, Wagons Arad*. His preoccupations and achievements in the teaching and research activity, his professionalism and technical expertise in the design and execution activity place Prof. Dr. Eng. Stan Fotă in the great gallery of specialists in the field of constructions and of installations for constructions, and are a justified reason of pride for the academics and students of the Faculty of Civil Engineering.

Prof. Dr. Eng. Ioan TUNS, Dean  
Faculty of Civil Engineering

## A MESSAGE TO STUDENTS FROM THE MOST APPRECIATED ACADEMIC



The reason I am writing these lines addressed to the students is to thank them for their confidence of entrusting me with the title of the most appreciated academic.

And since thanks are empty, useless, if they have no justifications to support (substantiate) them, I want to explain what determined and led me to establish a professional relationship with you. Forasmuch as this is the binder leading to this outcome: the professional attitude framed by open communication.

The beginnings can be found in the first years as an Assistant Professor, when I had as role models

Professors Ioan Mărgineanu and Vasile Comnac from whom I have acquired the work ethic, the teaching science and the way of building a proper teaching staff-student relationship.

I have succeeded in improving these qualities, over the years, through the collaborations I have with each of you. And my efforts continue through the plans we make together and the reactions which I receive from you and take into account.

In conclusion, I want to transmit the confidence that you will find in me a partner who resorts to the adequate communication to obtaining the concrete results expected by each of you.

I am evolving along with you!

Lecturer Dr. Simona COMAN  
Department of Automation and Information  
technology  
Faculty of Electrical Engineering and Computer  
Science

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## SUCCESSFUL ALUMNI - DIANA POP



Diana Pop graduated from the Faculty of Civil Engineering, specializing in Civil, Industrial and Agricultural Constructions in 2014, as a valedictorian; two years later, she successfully completed a second bachelor's study programme (Railways, Roads and Bridges), as well as the master's study programme Energy Modernization in the Built Environment.

Throughout her student period, she involved herself in various activities, competition and events held within the faculty and beyond:

- she coordinated the student team of the Faculty of Civil Engineering in the project POSDRU/90/2.1/S/62281 – "About You, for Your Future!", 2012 edition;
- she attended *Carpatment Professional Awards* competition, 8<sup>th</sup> edition, receiving the 1<sup>st</sup> prize;
- she coordinated the organization of two successive editions, 2012 and 2013, of the Prom at the Faculty of Civil Engineering;
- she helped organize several editions of the International Scientific Conference CIBv Constructions - Installations, as well as the first editions of the "European Researchers' Night";
- she participated in several editions of IACSIC – Academic and Cultural Meeting of the Students in Civil Engineering, as well as in Transilvania University Cross Country.

After completing her studies, Diana was hired as an execution engineer for *Avantgarden Tractorul* project, within the team of the residential developer Kasper Development. She was part, from the very beginning, of the project management team and contributed to the construction of nine blocks, with a height of 6-9 floors, totalling over 460 housing units.

The gained experience helped Diana accept a new challenge at the beginning of the largest urban

regeneration project in Romania: Coresi Avantgarden, in which she deals with the cost control, contracting and settlement direction of the Technical Department. Within almost five years, together with the management and execution teams, Diana contributed to the construction of 35 blocks that are part of the new Coresi District.

In the six years since she has been working in the field of constructions, Diana has been involved in volunteer actions resulting in the development of several projects, two of which have left their mark on her professional, but especially personal formation:

- the construction, in 2015, of Come Back cafe inside Coresi Shopping Resort; the major challenges she faced were related to the reduced execution time and the architectural details with a high degree of complexity;
- the complete restoration of a wing of the *Tractorul* Hospital in 2018, a volunteer project where she involved herself in all execution stages, along with her colleagues.



Diana did not forget the student years, so she continues to be actively involved in academic life, participating in the conferences and scientific communication sessions organized by the Faculty of Civil Engineering, organizing and facilitating site visits or internships for current students of the faculty.

In order to become a good professional, Diana has worked hard and learned everything gradually since college, thus managing to overcome all the obstacles along the way, to impose herself in a sector of activity reserved, until recently, for men. We will continue to follow her career with interest.

Lecturer Dr. Eng. Radu MUNTEAN  
Faculty of Civil Engineering

## SUCCESSFUL ALUMNI - CAMELIA OGREAN (CODARCEA)



Camelia Ogreaan (married Codarcea) is one of the successful graduates of the Faculty of Mathematics and Computer Science, specialism Computer Science, class of 2005. If asked about the number of the group, she immediately answers 7212 and proudly adds that, after graduation, in addition to being employed, she coordinated a series of Java and Hibernate lab classes at the faculty. Then she realized that she likes to be around people, to share what she knows, and so she nurtured the desire to embark on a new path.

In 2013 she co-founded and has since led AgileHub Association - an organization that offers free IT education through workshops, courses, presentations, conferences. In the context of AgileHub, the primary aspects are the desire to pass on the accumulated knowledge and the need to learn. Seven years, 200 free workshops and courses, over 1600 unique participants - over 250 of them attended more than 10 different activities, over 60 volunteers and two Peak IT conference editions, <http://www.peakit.ro>. This is what the AgileHub statistics look like at the moment. When a project goes well, you notice all the details that contributed to the positive result: collaborations, people willing to help with information, logistics, volunteering. For the organization and development of the annual Peak IT event, Transilvania University of Braşov was a host in "Sergiu T. Chiriacescu" Aula, thus recognizing the

scale of the event and confirming once again the support it offers to promote the beneficial actions of its graduates.

Camelia Ogreaan considers that, at the moment, trust is a priority. On a long and sometimes difficult road, always under construction, building trust has been the key to partnerships with companies that are not monolithic, but are made up of people who, when you have generated enough trust, offer their support. At the age of 35, she cultivated the habit of selecting from the infinity of information the one useful in the given situation and of finding the optimal way to put it into practice. Here she brings her personal contribution - in the way teamwork, ongoing projects, clients, colleagues, difficult situations, obstacles are seen.

What would the former teacher recommend to current graduates?... Here is her answer. "I developed the ability to gather and keep valuable people around me. I think this is the skill that can make a difference and should be developed as early as possible. This awareness brings along the willingness to accept feedback, to ask yourself how you can help more, to ask for opinions and to accept even those (or especially those) that are contrary to yours."

The Faculty of Mathematics and Computer Science trusted the ALUMNA Camelia Codarcea, as they were involved in organizing joint events and the winners were our students who attended courses or workshops. We wish everyone to successfully represent the great ALUMNI family of our University!

Lecturer Dr. Anca VASILESCU,  
ALUMNI Officer,  
Faculty of Mathematics and Computer Science

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## SUCCESSFUL ALUMNI - MARIA MĂDĂLINA POPICA



Maria Mădălina Popica was born on 28 May 1997 in Sighișoara town, Mureș County, the place where she attended primary, secondary and high school. She graduated from a scientific high school, specializing in Natural Sciences, only to focus later, for university studies, on a socio-human specialism, closer to her personality and skills

She wanted to continue her studies within the Faculty of Sociology and Communication, specializing in Communication and Public Relations, a choice that brought her many satisfactions.

“About the Faculty of Sociology and Communication, I can say that it was the best choice I made at that time, because it is the place that helped me to develop, to discover skills that I did not know I was acquiring and to grow beautifully. Here I have met exceptional teaching staff, who are truly dedicated, who love what they do, managing to instil in me this desire to surpass myself and to learn continuously”, says Mădălina.

During her three years of study she was involved in various volunteer activities and participated in numerous projects for students. In August 2017, she graduated from the Digital Workshop Academy, organized by Google together with Leaders Foundation, after which she was selected to become Google Digital Ambassador within the collaborating company, Zitec. Through this project, for a period of almost two years, she offered

individual consulting sessions in digital marketing to entrepreneurs in the local market and beyond, thus contributing to an important step in the digitalization of small and medium enterprises in Romania. Out of the desire to experience more opportunities, in the summer of 2018 she attended the summer school “HR Club Next Generation Summer School”, organized by the Association of HR Professionals in Romania, HR Club.

Moreover, during her undergraduate studies, she co-authored the volume “Media Illusions”, West Publishing House, together with 13 other colleagues, a volume coordinated by the Dean of the Faculty of Sociology and Communication, Prof. Dr. Claudiu Coman. In the last semester of studies, she took part in an internship mobility at the Aegean University of Chios, Greece, a decisive event in the choice of the master’s degree studies. Thus, she chose to continue her studies at the Faculty of Sociology and Communication, specializing in Branding Campaign Management.

After the completion of her bachelor’s degree studies, she also finished her activity within Google Digital Workshop project, at which point she decided to dedicate herself to extracurricular projects. In the first year she participated in three international conferences (DSIC’19, ACUM, SECOSAFT), coordinated a chapter of the second edition of the volume “Negotiation Techniques” published by C.H. Beck, and contributed to two other volumes awaiting publication.

As next goals, she wants to work on other new She also wants take part in an Erasmus mobility to experience education in a different culture.

Prof. Dr. Claudiu COMAN, Dean  
Faculty of Sociology and Communication

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## SUCCESSFUL ALUMNI – RUCSANDRA POP



“If I had not attended the Faculty of Letters in Braşov, I would have never known how alive I am. And it would probably have been harder for me to find out who I really was. I was a pretty old-timey young woman when I got into college, and the meetings with George Crăciun, Alexandru Muşina, Andrei Bodi, Mihaela Gheorghe, Romulus Bucur, Virgil Podoabă, Caius Dobrescu and Adrian Lăcătuş uninhibited me, freed me from fears, despite the fact that some of them were very intimidating at first sight. I had a very authentic relationship with these people. Beyond sophisticated readings and a great love for words, in college I received strength”, reveals Rucsandra Pop as regards her first academic experiences within the Faculty of Letters, Transilvania University of Braşov.

She studied literature in Braşov, journalism in Bratislava, sociology in Warsaw, anthropology and folklore in Bucharest and Bloomington in the United States. Warsaw and sociology were an accident. Everything else is somehow part of her DNA. Rucsandra writes poetry, prose, drama and screenplays.

Her creativity has an anthropological kernel, she is interested in digesting contemporary reality and

recent history through the stories she tells. Rucsandra also tells stories through images and collages. Her plays were staged at the Lorgean Theater and performed in unconventional venues in Bucharest and various cities. Rucsandra is one of the heads of the Hydra Society, a “multi-headed” cultural body that promotes contemporary creation and a collaborative spirit.

Rucsandra began her career in the print media and then switched to television. Ten years she worked in the *corporate* environment, and two years ago she entered the non-profit environment. She is currently a programme director at the Association for Community Relations and works with community foundations across the country.

At present, she attends a doctorate on her grandfather, the folklorist Mihai Pop. Through her research work, she wants to capitalize on the cultural heritage of this charismatic personality of the twentieth century, who influenced in a subtle but powerful way, several fields of Romanian and international cultural life, connecting the local scientific scene with the international market of ideas.

Lecturer Dr. Dan BOTEZATU  
ALUMNI Officer,  
Faculty of Letters

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## STUDENTS WE TAKE PRIDE IN – BOTOND SZŐCS

Botond Szőcs, aged of 23 years, has distinguished himself in the music world due to his unique energetic temperament. In 2018, he was a 10-grade valedictorian of the bachelor's study programme Instrumental Musical Performance – Piano.



The young musician from Sfântu Gheorghe currently attends his master's degree studies at the Faculty of Music within Transilvania University of Braşov, class of famous Prof. Dr. Habil. Stela Drăgulin and he is a laureate of numerous national and international competitions. He won, in addition to the over 12 first prizes, the UNIMIR Prize (2012-2013, 2013-2014), the Community Foundation Award (2013-2018) and the Excellence in Music Award of the American-Romanian Academy of Sciences and Arts for the best performer as a soloist, member of a chamber music ensemble or accompanist, this being the most recent recognition, obtained in 2017.

Remarkable moments in Botond's piano rise were his appearances in recitals in the country and abroad, including tours in the UK, Italy, Hungary, Germany, Greece, Montenegro, the Republic of Moldova, Vietnam and China.

In all these, his artistic act was considered a success, captivating the audience with an "electrifying, staggeringly deep performance" and he was praised by the specialized critique.

Moreover, between 2015 and 2016, Botond performed the complete Beethoven Piano and Violin Sonatas, together with the violinist Peter Rosemberg

(first concertmaster of Bamberger Symphoniker, Germany), who states that Botond Szőcs "has an eruptive and passionate temperament, and yet notices and realizes the poetic aspects of music. He has a very developed and safe technique, but always subordinated to the musical content".

The young pianist has succeeded every time in winning the audience's hearts and in offering an interpretation full of sensitivity to complex music pieces, known for the artistry they require



Furthermore, Botond Szőcs showed the audience the tradition of interpretive talent and the values of the Romanian music school. He did the same on 14 December 2019, through a recital organized in collaboration with the Honorary Consulate of Romania in Malta, to celebrate Romania's National Day, an event marked by the presence of members of the diplomatic corps accredited in Valletta, as well as of representatives of the cultural and business environment in Malta. The piano recital given by the talented Botond Szőcs included pieces from Frederic Chopin's creation, in the Romanian pianist's brilliant interpretation, and its venue was a historic location in the Castille Square of the capital La Valletta.

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## STUDENTS WE TAKE PRIDE IN – MARIA CRISTINA BULARCA



Maria Cristina Bularca graduated from the Faculty of Sociology and Communication within Transilvania University of Braşov, and she passed the bachelor's final examination with the grade 10, in 2019.

At present, she attends the master's degree study programme Branding Campaign Management within the same faculty, a programme to which she was admitted the first, with the grade 10. One of her hobbies is writing, having so far co-authored the books: "Media illusions" – West Publishing House, Timișoara, 2018, "Formation versus Information through the Media" – West Publishing House Timișoara, 2018 and "Negotiation Techniques" - C.H. Beck, 2019.

Cristina is passionate about scientific research, her main fields of interest being: university and cultural branding, but also personal branding. She was involved in various extracurricular projects and has participated in international conferences in the

field of communication and sociology: Communication Session of Student Scientific Circles with International Participation – SECOSAFT- Sibiu, Annual International Conference in Sociology - Athens 2020.

Cristina graduated from a scientific high school, but she found that a career in humanities would suit her better. She also registered for a master's study programme in Denmark, where she was admitted, but preferred to continue her studies at Transilvania University of Braşov.

She is currently involved in research projects on topics such as: use of online platforms in the teaching-learning process in the university environment, branding of higher education institutions. After completing her studies within our university, she does not exclude the option of enrolling in another master's study programme in Denmark.

In her leisure time, she enjoys reading, she was part of a theatre troupe that helped her develop personally; moreover, she wants a career that will allow her to combine her passions for traveling, reading and public speaking.

Prof. Dr. Claudiu COMAN, Dean  
Faculty of Sociology and Communication

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