



Transilvania
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NEWSLETTER

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- ▣ *EUROPEAN RESEARCH AND INNOVATION DAYS 2019. MY HEALTH – MY DATA: THE PRIZE FOR INNOVATION*
- ▣ THE “NIKOLA TESLA” PRIZE AT TRANSILVANIA UNIVERSITY OF BRAȘOV
- ▣ WOOD ENGINEERING GRADUATES WIN PRIZES IN THE NATIONAL CONTEST OF FURNITURE DESIGN
- ▣ TRANSILVANIA UNIVERSITY OF BRAȘOV CELEBRATES 70 YEARS OF DIPLOMATIC RELATIONS BETWEEN ROMANIA AND CHINA
- ▣ OFFICIAL VISITS AT TRANSIVANIA UNIVERSITY OF BRAȘOV
- ▣ RESEARCHERS’ NIGHT 2019 AT THE RESEARCH INSTITUTE
- ▣ *ORIENTATION DAY – EVENT FOR THE STUDENTS AT THE BEGINNING OF A NEW ACADEMIC YEAR*
- ▣ *GLOBALIZATION AND TRADITION IN BRAȘOV – THE SECOND EDITION OF THE ENGLISH-LANGUAGE SUMMER SCHOOL*
- ▣ SUMMER SCHOOL AT THE UNIVERSITY’S RESEARCH INSTITUTE - *RESEARCH METHODS IN SOCIAL SCIENCES 2019*
- ▣ OUTGOING STUDY MOBILITY TO *SAPIENZA* UNIVERSITY OF ROME *ACM WOMENCOURAGE 2019*

- PARTNERSHIPS AND NEW COLLABORATION CONTRACTS AT THE FACULTY OF PHYSICAL EDUCATION AND MOUNTAIN SPORTS
- THE 12TH EDITION OF THE INITIATION COURSE IN THE HISTORY AND PHILOSOPHY OF SCIENCE AND TECHNOLOGY
- *BAUHAUS IMAGINISTA* – A TRAVELLING EXHIBITION BY GOETHE-INSTITUT
- TOP STUDENTS AT THE FACULTY OF TECHNOLOGICAL ENGINEERING AND INDUSTRIAL MANAGEMENT
- SUCCESSFUL ALUMNI - TOMA MĂDĂLINA
- IN MEMORIAM – PROFESSOR NICOLAE VEȘTEMEAN (1929-2003)
- IN MEMORIAM - PROFESSOR ADRIAN POSTELNICU (1957-2013)

EUROPEAN RESEARCH AND INNOVATION DAYS 2019. MY HEALTH – MY DATA: THE PRIZE FOR INNOVATION

A four-member team from the Faculty of Electrical Engineering and Computer Science within Transilvania University of Braşov, consisting of prof. Lucian Itu and doctoral students Anamaria Vizitiu, Cosmin Niţă and Andrei Puiu, won first prize in the “Industrial & Enabling Tech” category of the contest “Innovation Radar Prize 2019”. The contest was initiated by the European Commission and is aimed at identifying excellence in research and innovation projects funded by EU.



This year, from among the thousands of projects funded by the European Commission, 36 were singled out for their innovative potential and were streamlined into four categories. The first stage of the competition involved a public online vote for these innovations and for the teams behind them. The number of online votes was in excess of 40,000, and our team scooped most of them in the “Industrial & Enabling Tech” category, whose aim is to identify new technologies designed for industrial use and potentially conducive to the development of new innovative apps.



Twelve finalists were selected for the four categories; they competed in Brussels, on 25 September, in an event held within the framework of “European Research and Innovation Days 2019”. Each team gave a three-minute presentation of the problem, its solution, the results, the team and the vision behind the innovation in front of a panel of juror consisted on entrepreneurs, technical experts and business analysts. Following its presentation and the replies to a number of difficult questions, our team was declared the winner of the contest in a ceremony that took place the following day.



Within the European research project H2020 “My Health – My Data”, our team developed a software platform, *CypherAI*, which allows for the development of customized AI-based medical apps that also protect the patients’ personal data. The proposed solution is based on deep neural networks and homomorphic encryption. This is the approach used for the development of other personalized medical apps for heart-related conditions, for the diagnosis of heart attack and of patients with heart failure.

On congratulating the winning teams, Mariya Gabriel, European Commissioner for Digital Economy and Society stated “This year’s Innovation Radar competition brings to the fore excellence projects funded by the EU. I congratulate the winners in the four categories. The EU will go on looking for and supporting innovation and expertise identified throughout Europe.”

Dr Lucian Mihai ITU,
Faculty of Electrical Engineering and Computer
Science

THE "NIKOLA TESLA" PRIZE AT TRANSILVANIA UNIVERSITY OF BRAȘOV

Bangkok, Thailand was the venue for this year's ICL/IGIP International Conference themed "The Impact of the 4th Industrial Revolution on Engineering Education".



This event took place under the joint aegis of the 22nd edition of *Interactive Collaborative Learning* (ICL) and the 43rd Conference on Engineering Pedagogy (IGIP). Our university has been a longstanding participant in these conferences, having made, since 1999, significant contributions in the area of engineering education, and promoting the relationship between the academia and the industries. The proceedings of this international conference are indexed in WoS, and the resulting collective volume is published by Springer.

On the occasion of this year's conference, a faculty member from Transilvania University, Dr Doru Ursuțiu, was awarded the "Nicola Tesla Prize with the Golden Chain" for his ongoing efforts throughout the 22 editions of this international event.



As mentioned on the award diploma, this prize is bestowed „...for *International outstanding achievements in the field of Engineering Pedagogy*”. As yet, there are just 12 awardees throughout the world of this prestigious prize, two of whom are members of our academic community: Dr Cornel Samoilă is also a 2013 awardee of this prize.

This kind of international recognition may serve as an inspiration for colleagues with an interest in engineering education, motivating them to take a more active role in these international conferences and contribute to the advancement of knowledge in this field.

Dr. Eng. Cornel SAMOILĂ,
Professor Emeritus

■ CONTENTS

WOOD ENGINEERING GRADUATES WIN PRIZES IN THE NATIONAL CONTEST OF FURNITURE DESIGN

The National Contest of Furniture Design is the only event of this kind in Romania. Its XVII edition was organized by the Association of Furniture Manufacturers in Romania in partnership with Transilvania University of Braşov, the *Ion Mincu* University of Architecture and Urbanism (Bucharest), The Order of Architects (Bucharest), and Romexpo.

Within the frame of this contest, the competition includes two independent stages. The focus of Stage 1 is Creativity (project, deadline in the month of May); Stage 2 is Implementation (prototype, deadline in September). The resulting prototypes are exhibited at the International Furniture Fair held at Romexpo, Bucharest, in September, each year.

The line-up at the 2019 edition of the contest included 148 competitors, of whom 75 students in wood engineering or related specialisms, 6 pre-university students and 67 professionals in the field. Overall, 85 projects were assessed in Stage 1, and 30 prototypes were entered for Stage 2.



The panel of jurors consisted of Dr Oana Diaconescu, architect and Vice-dean of the Faculty of Interior Architecture within the *Ion Mincu* University of Architecture and Urbanism (Bucharest), Dr Marina Cionca, professor at the Faculty of Wood Engineering within Transilvania University of Braşov, chairperson of the jury panel, eng. Rodica Sfâca, CEO at RONEX Production, Bucharest, designer Adela Pârnu, eng. Andrei Trăistaru, managing director at LEMET Câmpina, Dr Alin Olărescu, director of the Furniture Eco-design and Restoration Centre and Vice-dean of the Faculty of Wood Engineering at Transilvania University of Braşov, Dr Emil Ivănescu, architect,

president of the Order of Architects in Romania, the Bucharest Branch.

Referring to this contest, Aurica Sereny, President of the Association of Furniture Manufacturers stated the following: "This project is extremely beneficial for the industry because it nurtures budding talents, creativity and creates a mixing bay for design, architecture and manufacture".

Among the awardee designers in the 2019 competition was Robert Niculescu, a 2017 graduate of our Faculty of Wood Engineering. He won second prize for Stage 1 (Creativity) and third prize for Stage 2 (Implementation) for a project titled "The Modular Range".



This makes Robert an eleven-time awardee of national prizes for furniture design, a true record by any standards. After the completion of his master studies in furniture eco-design and restoration, Robert went on to set up his own design business.

In this year's competition, another graduate of the 2019 class, Adi-Marian Brumă, received an honorary mention in the Creativity category (Stage 1) for his project titled "Versatile coffee table".



We commend our former students for these results that do our faculty and university credit.

Dr Marina CIONCA
Faculty of Wood Engineering

■ CONTENTS

TRANSILVANIA UNIVERSITY OF BRAȘOV CELEBRATES 70 YEARS OF DIPLOMATIC RELATIONS BETWEEN ROMANIA AND CHINA

On 21 September, the Romanian Embassy together with the Romanian community and Romania's close friends in China organized a special event celebrating 70 years since the beginning of diplomatic relations between the two countries. The action marked the launch of a series of events that the Embassy planned over the course of four weeks to pay tribute to the bilateral relation.



The event was held at the mission headquarters in Beijing, and the Romanian ambassador took the opportunity to wish everyone a warm "Welcome home!", expressing the feeling of honour for being among true friends who have dedicated their lives and careers to serving their peoples, contributing to creating a genuine relationship between the two countries.



Attending the event were those who have, over these past seven decades, contributed actively to keeping this friendship alive, former and current ambassadors, high-ranking diplomats, politicians and businessmen, journalists from the Romanian division of Radio China International, Chinese professors who have mentored excellent speakers of Romanian,

dedicated translators of Romanian literature, and young Romanian and Chinese students.



Organized as a rustic celebration on the location of the Embassy's park especially re-designed for the purpose, the event promoted Romanian cuisine prepared by a team from Transilvania University of Brașov, who were a real help in offering a "home-like" evening there, at the heart of Middle Kingdom, while students from the Faculty of Music complemented the event with traditional music.

At the same time, the Chinese students of the newly founded Romanian lectorates in Xi'an and Tianjin set up with the support of the Embassy wished to join the extended Romanian family.

One of the highlights of the evening was the surprise performance of the traditional Romanian piece "Shepherd with three hundred sheep", sung in an impeccable Romanian by two students from Xi'an.



Ruxandra CIOACĂ, Attaché
at the Romanian Embassy in China
Dr Victor BRICIU
Marketing and PR Office at Transilvania University

OFFICIAL VISITS AT TRANSILVANIA UNIVERSITY OF BRAȘOV

On 10 September, Transilvania University received the visit of a delegation from the Republic of Sri Lanka, led by His Excellency Tilak Marpana, Minister of Foreign Affairs.



Part of the delegation were also His Excellency Chandrasekara Atapattu Herath Mudiyansele Wijeratne, Ambassador of Sri Lanka in Romania, and Dhammika Semasinghe, General Director for Europe and Central Asia in the Ministry of Foreign Affairs.



The talks focused on the collaboration between Transilvania University and academic institutions in Sri Lanka, and resulted in a bilateral mobility agreement for teaching staff and students, as well as in visits and participations in academic and cultural events.

On 22 September, our University was visited by Dr Mosleh Duhoky, president of Duhok University in Irak and member of the International University Association, accompanied by Dr Jaladet M. S. Jubrael Al- Sofi and Dr Ezat Yosif Raof.



The talks of the Iraqi officials with Dr Ioan Vasile Abrudan, Rector of Transilvania University, laid the groundwork for further partnerships between the two universities.

Summary by Dr Victor BRICIU,
www.unitbv.ro/stiri-si-evenimente

■ CONTENTS

RESEARCHERS' NIGHT 2019 AT THE RESEARCH INSTITUTE

In line with the tradition set up for the last Friday in the month of September, on 27 September the Research and Development Institute of Transilvania University played host to "Researchers' Night", the frame for a variety of events targeted at all those interested in research.



A European event held in all EU countries, Researchers' Night has been organized in more than 300 cities since 2005, in the attempt to boost the young people's interest in research oriented careers, while democratising scientific research by bringing it closer to the community.



At this year's edition, children, parents, and people curious to find out details of the research activity at the Institute came in large numbers, and were given the opportunity to experiment it hands-on, to perform interactive scientific activities, witness strange phenomena, and so much more.

Volunteer students, faculty and support staff welcomed the visitors and organized treasure hunts, interactive popular knowledge contests, documentary films, and a raffle for the high-flyers: a sightseeing helicopter tour over Braşov. The youngest of our visitors were invited to do research among LEGO pieces

and ride a first-class formula car, a unique item among the Formula Student vehicles designed by the BlueStreamline team.



Additionally, guided tours were offered in the Institute laboratories, where visitors could watch and test mobile robots, 3D printers, drones, race cars designed and built by our students, furniture imprints, TENSEGRITY structures and other research equipment: electronic satellite imaging, thermal imaging cameras, functional models, film projections, language creation workshops, foreign language communication games, science fiction and fantasy prose readings, creative writing workshops.

This year's edition of the event proved once again the increasing interest of the general public for the discoveries and benefits of research. This motivates us to keep on organizing the future editions of Researchers' Night.

Dr Radu MUNTEAN
Faculty of Civil Engineering
Dr Victor BRICIU
Marketing and PR Office
photo: Sergiu MIHĂILESCU,
Digital Media, 2nd year

■ CONTENTS

ORIENTATION DAY – EVENT FOR THE STUDENTS AT THE BEGINNING OF A NEW ACADEMIC YEAR

The thrill at the beginning of a new path, inquisitiveness, and fun were the main ingredients at the beginning of a new academic year and of a new edition of the Orientation Day.



On 30 September, freshmen, undergraduates, teachers, tutors, representatives of the university services and support structures, were all invited on the University Hill to take part in the knowledge quizzes, contests and a photo booth, an ingenious method of preserving the memories of a whole new beginning - the academic year 2019-2020.



As in the previous years, Orientation Day is a special landmark for the newly admitted students, encouraging them to meet their senior colleagues, find out facts about the student life and campus facilities, and establish relations early on.



The 1st year students had the opportunity to learn all sorts of useful information from their tutors and from the representatives of the 18 faculties. Moreover, they interacted with representatives of the students' associations and cultural clubs, and discovered various activities they may join in throughout the academic year.



Over the span of a few hours, the Hill turned into a hub of useful information and socialization for the new classes of students. The event concluded with a wonderful concert of a popular singer, Feli.

Dr Victor BRICIU
Marketing and PR Office

***GLOBALIZATION AND TRADITION IN BRAȘOV* – THE SECOND EDITION OF THE ENGLISH-LANGUAGE SUMMER SCHOOL**

Between 9 and 20 September, the Faculty of Letters of Transilvania University of Brașov, in collaboration with the Otaru University of Commerce (Japan), organized the second edition of the summer school titled *Globalization and Tradition in Brașov*.



For two weeks, five Japanese students were guided during their stay in Brașov by five of their Romanian peers. Using English as a working language, the main aim of the project was to familiarize the Japanese students with a variety of aspects related to the Romanian culture, while encouraging them shed light on the Japanese culture, encouraging in this way the exchange of intercultural information.

Throughout the summer school, knowledgeable presenters, including representatives of the Saxon, Hungarian, and Roma communities, gave talks and interactive presentations on a variety of topics, from traditional to modern, such as the history of Romania and Brașov and its ethnic diversity, Romanian language, customs and traditions, a brief look into Romanian music and humour, as well as an overview of the local industry. All these constituted the starting point for discussions and the PowerPoint presentations prepared by the Japanese students, who touched upon all these subjects from the perspective of their own culture, giving the

Romanian students first-hand access to valuable cultural information.

Additionally, the information gained during the lectures was completed with hands-on, out-of-class activities, which included, among others, a tour of Brașov and of all its famous landmarks, a restoration workshop at the Faculty of Wood Engineering, visits to Bran and Peleș castles and to different local industries, such as a wood hand-painted icon manufacture in Covasna county and a hospitality business in Brașov.



As an aside the summary above, as participants directly involved in this project, we would like to emphasize that its primary impact was on a personal level. Beyond sharpening our intercultural and social skills, this interaction contributed, above all, to the forging of mutual understanding and respect, the fertile ground to developing lasting and unique friendships. We hope that the tradition of this valuable collaboration will become rooted in the cultures of the two universities.

Réka - Orsolya SZÉKELY, Ștefan - Andrei POPA,
Master students in
Language Studies for Intercultural Communication,
Faculty of Letters

SUMMER SCHOOL AT THE UNIVERSITY'S RESEARCH INSTITUTE - *RESEARCH METHODS IN SOCIAL SCIENCES 2019*

Held between 26 August and 6 September at the Research and Development Institute of Transilvania University, the summer school *Research Methods in Social Sciences* (RMSS19) was organized by the *Iceberg* Company Braşov, in collaboration with University of Saskatchewan, Canada and Transilvania University of Brasov.



The target audience of the RMSS19 included undergraduates, post-graduates, doctoral and post-doctoral students, academics, researchers, NGO representatives, and specialist practitioners from the public and private sectors.

The idea of organizing this summer school was triggered by the assumption that all instances of thorough and creative research can support and stimulate the development of an innovative, inclusive and sustainable society. Thus, the vision of RMSS19 was to provide to the undergraduates, graduates, researchers and entrepreneurs the essential skills and know-how required to design and undertake accurate research in the field of social sciences.

The panel sessions included overview presentations of the approaches to and methods in social research, software programs, on-field applicability and case studies. The program included workshops, supported by short presentations and

case study analyses. The workshops focused on methods of qualitative, quantitative and mixed research, along with sessions on specific subjects, such as *Open Data*, *Good Governance* and *Citizen Science*.



Among our invited speakers were Ana-Maria Bogdan (specialist in quantitative research, *The Social Sciences Research Laboratory – University of Saskatchewan*), Brianna Groot (specialist in experimental research, *The Social Sciences Research Laboratory – University of Saskatchewan*), Dr Daniel Traian Pele (Academy of Economic Studies, Bucharest), David Pinelle (specialist in numerical research, *The Social Sciences Research Laboratory – University of Saskatchewan*), Dr Elena-Maria Prada (Academy of Economic Studies, Bucharest), Dr Filip Agneessens (*Surrey Business School, University of Surrey*), Dr Florentina Scârnci-Domnişoru (*Transilvania University*), Ionuț Țața (Iceberg founder and director), Irina Toma (*Sustainability Consultant – EPM Sustainability and Highclere Consulting*), Dr Jason Disano (*Director of Social Sciences Research Laboratories, Department of Sociology, University of Saskatchewan*), Dr John McLevey (*Department of Sociology & Legal Studies, University of Waterloo*), Dr Kai Purnhagen (*Wageningen University*), Dr Mihaela Covrig (Academy of Economic Studies, Bucharest).

Dr. Victor BRICIU
Marketing and PR Office

■ CONTENTS

OUTGOING STUDY MOBILITY TO *SAPIENZA* UNIVERSITY OF ROME *ACM WOMENCOURAGE 2019*

Between 15 and 20 September, a group of female students from the Faculty of Mathematics and Computer Science benefited from the opportunities offered by Transilvania University of Braşov and its international study mobilities program for students. Our hosts were students and professors from *La Sapienza* University of Rome, who were involved in organizing and running the *womENCourage 2019* international forum of the Association for Computing Machinery – Women (ACM-W), with the motto “Diversity Drives Societal Change”.



ACM-W (see <https://women.acm.org>) is part of the ACM international community and is aimed at supporting the involvement of women in computer science at academic, professional, managerial, ethical, social, etc. level. In turn, the event *womEncourage* is an itinerant forum in which hundreds of female participants meet every year to present and celebrate recent achievements in the most modern and diverse fields of computer science. This year, inspiration came from artificial intelligence via various workshops, panels, technical discussions, practical laboratories, debates on interdisciplinary research topics, *hackathon*, and various poster sessions.



Thirteen students participated in *womENCourage* on behalf of Transilvania University of Braşov, representing all the Bachelor's degree programs – *Mathematics and Computer Science, Computer Science, Applied Computer Science, and Applied Computer Science in German*, the Master's degree program in English, *Internet Technologies*, and the Doctoral degree program *Computer Science*. The students found the experience unique and now they are motivated by the career role-models they encountered, the learning support offered by the digital library <http://dl.acm.org>, the self-assessment of their levels of specialized knowledge, the involvement in organizing and running scientific events through volunteering and the interaction with the cultural identity of the various areas on the globe represented by the participating students.

The financial support from the University and the collaboration with the vice-rector for students made this mobility a success, representing more confidence in one's own power and a source of inspiration for starting future projects with international partners we met within the framework of these events.

Dr Anca VASILESCU, Vice-dean,
Faculty of Mathematics and Computer Science

PARTNERSHIPS AND NEW COLLABORATION CONTRACTS AT THE FACULTY OF PHYSICAL EDUCATION AND MOUNTAIN SPORTS

Between 16 and 22 September, I had the pleasure of visiting two faculties of Physical Education and Sport in Slovakia. After a scenic journey in which I enjoyed landscapes in Zilina region, I reached the northern part of the country, in the welcoming town of Ruzomberok. Here I was greeted by three vice-deans and one dean from the Faculty of Education within the Catholic University, a new religious state university founded in 2000.



Peter Krska, the dean who is a specialist in track, manages this faculty which consists of sixteen departments, among them being the Department of Physical Education and Sport, with which I had established a direct collaboration.

After three days in Ruzomberok, I left for Presov, an important cultural and historical centre in Eastern Slovakia, an old settlement of the Slavs that was heavily colonized by the Hungarians and Germans. Here I participated in the international conference

organized by the Faculty of Sports, one of the eight faculties of the University of Presov.



My goals for this trip were achieved via the following activities: signing collaboration contracts with the two faculties; creating international relations with prestigious faculties in Europe; participating in a work meeting with Dr Branislav Antala, President of the European branch of the International Federation of Physical Education (FIEP), in which I obtained once again the approval to organize our international conference under the aegis of FIEP, and inviting various professors in the field of sports to the annual international conference organized by our faculty.

I returned to Braşov feeling optimistic that through the contacts and relations established on this trip, we will be able to prepare for a new international conference with at least the same level of success as those organized by our faculty in the last years.

Dr Ioan TURCU, Dean
Faculty of Physical Education and Mountain Sports

■ CONTENTS

THE 12TH EDITION OF THE INITIATION COURSE IN THE HISTORY AND PHILOSOPHY OF SCIENCE AND TECHNOLOGY

Between April and September, Transilvania University of Braşov and Casa Mureşenilor Museum, together with the Romanian Committee for the History and Philosophy of Science and Technology (CRIFST) within the Romanian Academy, Braşov branch, co-organized the 12th edition of *the Initiation Course in the History and Philosophy of Science and Technology*.



The course curriculum consisted of 40 hours of lectures, followed by the writing up of the graduation papers, defended and assessed in September by an Assessment Committee appointed by the Romanian Academy.

The lectures were delivered by guest lecturers from the Romanian Academy: Academic Bogdan C. Simionescu – President of CRIFST, Dr Dumitru Murariu – Prime-vice-president of CRIFST, Dr Valentin Marin – Scientific Secretary of CRIFST, Dr Eufrosina Otlacan – Vice-president of the History of Science Department of CRIFST, Dr Ana Bazac – Vice-president of the Logic, Methodology, and Philosophy of Science Department of CRIFST, Dr Liviu Sofonea – Honorary President of the Braşov branch of CRIFST, as well as museographs from Braşov and professors from Transilvania University of Braşov – Dr Ionel Stareţu, Dr Cristina Timar, Dr Teofil Mihăilescu, Dr Alin Olărescu, Dr Mircea Ivănoiu, Dr Elena Helerea.



The 31 students – doctoral students, professors, engineers, sociologists, and people with other professional backgrounds – expressed great interest in learning about the history and philosophy of science and technology in Romania. Through their content, the elaborated graduation papers brought new information regarding multiple aspects of socio-economic life in and around Braşov.



All the end-of-course papers highlighted the need for new projects related to the conservation of and capitalization on the technical-scientific patrimony in Romania, and in Bârsa country, in particular. A virtual museum can be the first step in this direction.

Dr Elena HELEREA
President of Braşov branch of CRIFST
Course Director

■ CONTENTS

BAUHAUS IMAGINISTA – A TRAVELLING EXHIBITION BY GOETHE-INSTITUT

Between 16 September and 2 October, the Multicultural Center of Transilvania University hosted an international project marking the 100 years anniversary of the Bauhaus school of design and architecture, one of the most important movements in modern architecture.



This traveling exhibition brought together ideas, studies and extensive documentation on the history of the project. Visitors were able to interact with the exhibition objects in a space designed by artist Luca Frei - partly sculpture, partly exhibition architecture –focusing on four motifs that were central to the Bauhaus movement.



The computer terminal held an essential role in the installation, allowing visitors to browse the online magazine *Bauhaus Imagistista* and print the materials. The exhibition included research by curators, texts and images on the four thematic and conceptual chapters around which it was structured: *Corresponding With*, *Learning from*, *Moving Away* and *Still Undead*. The exhibition was extended by photographs of the buildings in Brasov whose architecture was inspired by the Bauhaus movement, taken by Fritz Schiel.



Bauhaus Imaginista is the result of cooperation between Bauhaus Kooperation Berlin Dessau Weimar, Goethe-Institut and Haus der Kulturen der Welt, and in Braşov, the event was organized by Deutsches Kulturzentrum Kronstadt.

Dr Maria GHIURȚU
The Multicultural Center of Transilvania University

■ CONTENTS

TOP STUDENTS AT THE FACULTY OF TECHNOLOGICAL ENGINEERING AND INDUSTRIAL MANAGEMENT

The bachelor degree program *Manufacturing Engineering* at the Faculty of Technological Engineering and Industrial Management attracts many exceptional students.

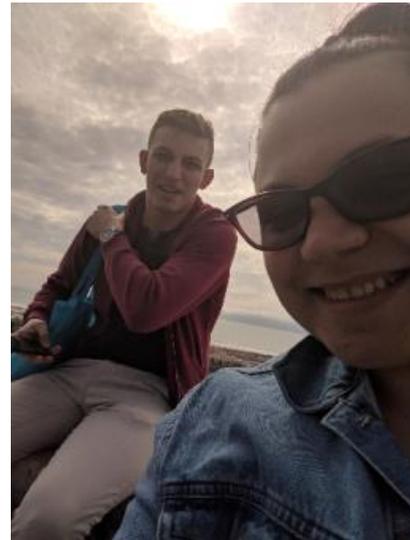
The most representative among them is undoubtedly second year student Toni Perju, who graduated top of his class. Toni hails from Bârlad County, and he chose our university based on the high academic reputation of its engineering school, as well as on the career prospects afforded by the local industry.



Other students worth mentioning for their academic performances are Bogdan Ionuț Popa – third year student, Andreea Coconete – fourth year student. The former is also one of the finalists in the *C. C. Teodorescu* National Contest in strength of materials.

Among the students enrolled in *Manufacturing Engineering* in the last three years, three were high school valedictorians, and each year students from this study program were among the recipients of the

private excellence scholarship offered by Schaeffler. Two third year students participated in the national stage of the Mechanics contest, Elena Rodica Vlăsceanu and Daniel Stan, and they were also successful Erasmus+ students to *Universidade Nova* of Lisbon, Portugal.



Worth mentioning are also Călin Marian Șerban and Daniel Stanciu, 2019 graduates of our faculty who earned research grants at *National Chung Cheng University*, Taiwan.

Dr Mircea-Viorel DRĂGOI
Faculty of Technological Engineering and Industrial
Management

■ CONTENTS

SUCCESSFUL ALUMNI - TOMA MĂDĂLINA

In 2019 the valedictorian of the Faculty of Food and Tourism was Mădălina Toma, graduate of the bachelor degree program Engineering and Management in Tourism Industry.



Mădălina was born on 24 January 1980 to a large family in Buzău County. After high school graduation she moved to Braşov to work as a waitress. Owing to her determination and enthusiasm for her job, she

was promoted to shift supervisor and then to *maître d'*.

Ambitious and eager to learn more, she enrolled at the Faculty of Food and Tourism in 2015. As an undergraduate student she was hard-working, considerate and enthusiastic student. She participated as a volunteer in events such as *THINK Christmas*, *D-ArTe* – students from the faculty read and make gifts, *AT Alumni Trend – Follow us*, and was involved in promoting our faculty, organizing the faculty stands at “Transilvania Tourism Fair” 2016, 2017, 2018 and “Transilvania Wine Fair” 2017, 2018.

Her outstanding results allowed her to become restaurant manager, and determined her to enrol in the master’s degree program Hospitality and Eco Agri-Tourism Management where she was admitted as a top candidate.

Dr Cristina Maria CANJA,
Vice-dean for students, the economic environment
and internationalization

■ CONTENTS

IN MEMORIAM – PROFESSOR NICOLAE VEȘTEMEAN (1929-2003)



Professor Nicolae Veștemean graduated the Polytechnic Institute in Timișoara, where he became the assistant of Professor Zăgănescu for the discipline Steam Locomotives. He obtained his doctoral degree at the same university with a thesis in the field of steam engines. Later, he transferred to the Faculty of Mechanical Engineering of the then Polytechnic Institute of Brașov.

Within the frame of international cooperation, Professor Veștemean taught specialist courses in Algeria. An innovative mind, he initiated the first

patent for split-cycle internal combustion engine. He acted as advisor for the local Radiator and Cable Factory and became a member of its Board of Directors after in the 1990s.

Between 1992 and 1996, Professor Veștemean was Head of the Department of Thermotechnics and Fluids Mechanics, being one of the founders of the *Energy and Environment Studies* master's program.

Between 1994 and 1996 he took part in an important European project on thermal rehabilitation DIRECT - *The Danish-Irish-Romanian Environmental Co-operation Team*. Also, under his supervision, five doctoral students completed and defended their theses in the field of machines and thermal installations.

Dr Janos TIMAR
Faculty of Mechanical Engineering

■ CONTENTS

IN MEMORIAM - PROFESSOR ADRIAN POSTELNICU (1957-2013)



Professor Adrian Postelnicu was born on 30 November 1957, in Pitești, Argeș County. Between 1977 and 1982 he attended the Faculty of Aerospace Engineering within the Polytechnic Institute of Bucharest. In 1992 he also graduated the Faculty of Mathematics within the University of Bucharest.

From October 1982 to December 1989, he was employed at the Aircraft Manufacturing Factory Brașov, where he started out as technologist in the primary structures division, and later worked as a helicopter designer.

From 1990 to 2013 he taught at our university, in the Department of Thermotechnics and Fluid

Mechanics, giving lectures in Fluid mechanics and hydraulic machinery, Numerical methods and techniques to improve thermal and hydraulic processes, Aeroelasticity and the dynamic of structures, Helicopters, Numerical modelling in fluids mechanics, Transfer of heat and mass, and Transfer phenomena.

He was invited to teach at the *Conservatoire National des Arts et Métiers, Institut Aérotechnique de Saint-Cyr*, Paris in 2001 and at *L'Ecole Polytechnique de Palaiseau*, the Hydrodynamics Laboratory, LADHYX, Paris, in 2003.

He was a tenacious worker involved in top research in his field. He built a solid reputation as a researcher in the fields of aerodynamics, viscous fluids, porous media, numerical modelling and hemodynamic, and published over 120 research papers, out of which 34 in ISI-indexed journals, 6 monographs and 8 textbooks.

Dr Janos TIMAR
Faculty of Mechanical Engineering

■ CONTENTS