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NEWSLETTER

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A NEW MEETING OF THE INSTITUTIONAL STRATEGIC DEVELOPMENT COUNCIL OF THE TECHNICAL UNIVERSITY OF MOLDOVA AT BRAȘOV

The meeting of the Institutional Strategic Development Council (CDSI) of the Technical University of Moldova (TUM), the president of which is the Rector of Transilvania University of Brașov, Prof. Dr. Eng. Ioan Vasile Abrudan, Doctor Honoris Causa of TUM, took place on 19 February 2021.



The actual meeting of CDSI was chaired by the Rector of the University in Brașov, and it included on the agenda topics for the proper operation of TUM in 2021, as well as strategic issues for the efficient development of technical engineering higher education:

- Initiation of new study programmes;
- Approval of the new lease agreements for 2021 according to additional requests;
- Elaboration of the draft budget for 2021 and submission for approval to the Senate of TUM;
- Approval of the amendments to the Regulation on the salary system at TUM (adjustment to the

current legal framework and updating of labour norms and performance indicators);

- Approval of the financial means necessary for the remuneration of the work for the year 2021;
- Details regarding the Procurement Plan for 2021;
- Information on tuition fees.

The meeting took place at Transilvania University of Brașov and was attended by nine people, of whom three Council members were present online.

The delegation, led by the Rector of TUM, Prof. Dr. Hab. Viorel Bostan, also included the CDSI members: Prof. Dr. Larisa Bugaian, Vice-Rector on Financial Problems of the Technical University of Moldova; Victor Catană, Faculty of Constructions, Geodesy and Cadastre, Technical University of Moldova, former Minister of Internal Affairs of the Republic of Moldova, Major General of Police; Veaceslav Șutchevici, Investment Promotion component, Project Advising the Government of the Republic of Moldova on Economic Policies, GIZ Moldova; Ana Chiriță, Director of ATIC Strategic Projects (National Association of ICT Companies).

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THE 2021 INTERNATIONAL CONFERENCE ON REMOTE ENGINEERING AND VIRTUAL INSTRUMENTATION

The 2021 international conference on *Remote Engineering and Virtual Instrumentation* (REV) (<http://www.rev-conference.org/current/>) took place from 24 to 26 February 2021, in Hong-Kong.

This is an annual conference organized by the International Association of Online Engineering (IAOE) together with the Global Online Laboratory Consortium (GOLC) (<http://www.online-engineering.org>). It was the 18th edition dedicated to Online Engineering, *Cyber-physical Systems* and *Internet of Things*, in order to reveal their influence on the development of society.

Prof. Habil. Dr. Phys. Doru Ursuțiu was co-chair of the Conference and chair of the Special Session “IoT – Intelligent materials and systems (Industry - University - Developer)”, and Em. Prof. Dr. Eng. Cornel Samoilă was a member in the *International Advisory Board*.

Two things are worth highlighting:

- the former is that two papers of the Romanian participants were awarded: “Artificial Intelligence System for predicting cardiovascular diseases using IoT devices and Virtual Instrumentation”, authored by H. Modran, D. Ursuțiu, C. Samoilă, T. Chamunorwa received “Student Paper Award Winner”, and “Electronic Educational Laboratory

Platform for Students”, authored by T. Chamunorwa, D. Ursuțiu, C. Samoilă, H. Hedesiu, H. Al. Modran received “Special Session Paper Award Winner”.

- The latter fact worth highlighting is that at the invitation of Prof. Habil. Dr. Phys. Doru Ursuțiu (who is also honorary president of IAOE - the main organizer of the conference), Jeff Kodowsky, the author of a software dominating the technical world, namely LabVIEW, agreed to be *keynote speaker*, talking about “LabVIEW past, present and future”. Just like Mark Easley (Texas Instruments University Marketing Manager), who presented the paper “Easy, engaging robotics education to prepare students for the Age of Automation and the Internet of Things”.

The conference took place online and was a real success in terms of participation and covered topics. Due to the value of the papers of this conference, its *Proceedings* have been published for years by the prestigious publishing house Springer.

Em. Prof. Dr. Eng. Cornel SAMOILĂ
Romanian Academy of Technical Sciences

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Jeff Kodowsky NI



Mark Easley TI

SPORTS PERFORMANCE REWARDED WITH PRIZES

The Faculty of Physical Education and Mountain Sports is proud of the performances obtained by two special athletes, both of them students at the master's study programme Sports Performance and Management. Mihaela Hogaş and Bianca Lorena Stănică practice speed skating and have been trained by our graduate Bogdan Stănescu for more than 12 years. The three obtained together results that prompt us to hope for a successful participation of Romania in the Beijing 2022 Olympic Games.

They are all the more praiseworthy as we all know that there is no speed skating rink in our country, and the national championships usually take place in Germany.

Thus, we highlight some of the performances achieved by our students in 2020:

Mihaela Hogaş in two consecutive days won the silver medal in the 1,000-meter race and the gold medal in the 500-meter final at the Minsk World Cup. In the competition, she was also awarded for the first place in the general ranking after the three stages played in the World Cup circuit. Mihaela Hogaş is on the second place of the general hierarchy at 1,000 meters, too.

In the previous World Cups in Bjung - Norway and Enschede - the Netherlands she won four more medals: two silver in the 500 meters and two bronze in the 1,000 meters.



Moreover, in the same competition, Bianca Stănică won the silver medal in the 1,500 meters, being on the second place in the general ranking of the World Cup in this event.



Bogdan Stănescu devotes almost all his time to training speed skaters: "It is not a pleasure to leave home for so long. As proof, in workouts, athletes respond much better when they are at home. In summer we train a lot on rollers, on bicycles, by running. We use all training methods. After a very long period of departures, athletes get mentally tired, it is much harder to motivate them. But we managed to form a team. Behind these results, there are not just two girls, but a whole team of 7-8 athletes. We train together".



Bianca Lorena Stănică, Bogdan Stănescu,
Mihaela Hogaş

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

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THE WORKSHOP OF MATHEMATICS AND COMPUTER SCIENCE IN ITS 7TH EDITION

On the occasion of the Day of Transilvania University of Braşov, the Faculty of Mathematics and Computer Science organized the 7th edition of the scientific event "Workshop of Mathematics and Computer Science" on 26 February 2021.



This event is organized every year and it is an important event for our faculty, being meant to stimulate the scientific research activity within the department.

The following communications were presented: *A representation of the derivatives of higher order for Bernstein operators on a symplectic* – Prof. Dr. Radu Păltănea; *Another characterization of hyperbolic diameter diminishing to zero IFSs* – Prof. Dr. Radu Miculescu; *Some Fixed Point Theorems for (a-p)-Quasicontraction* – Prof. Dr. Ovidiu Popescu and Assoc. Prof. Dr. Gabriel Stan; *Subordination chains* – Prof. Dr. D. Răducanu; *Inequalities from Lorentz-Finsler norms* – Assoc. Prof. Dr. Nicuşor Minculete

and Assoc. Prof. Dr. Nicoleta Voicu; *Some uniqueness results for thermoelastic materials with double porosity structure* – Assoc. Prof. Dr. Olivia Florea; *Quaternion algebras over the composite of quadratic number fields* – Lect. Dr. Diana Savin; *Invariant submanifolds of the complex indicatrix* – Assist. Prof. Dr. Elena Popovici-Popescu; *A countable fractal interpolation scheme involving Rakotch contractions* – Assist. Prof. drd. Cristina Păcurar.

The proceedings of the conference were mediated by Prof. Dr. Dorina Răducanu, as *chairman*, who initiated constructive discussions related to new directions and possibilities to approach the research topics presented. This event highlighted once again the valuable research potential of the department team.

The presentations were special and had elements of novelty, reflecting recent original scientific results. Some of the results have already been published, and the other results presented will be published in the Bulletin of the Transilvania University of Braşov (*Series III: Mathematics. Informatics. Physics*) or in other prestigious magazines.

Assoc. Prof. Dr. Nicuşor MINCULETE
Faculty of Mathematics and Computer Science

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FIRST-YEAR STUDENTS AT THE FACULTY OF MATHEMATICS AND COMPUTER SCIENCE – ONLINE WITH IT COMPANIES

On the occasion of the Day of Transilvania University of Braşov, the Faculty of Mathematics and Computer Science organized, between 25 - 26 February 2021, an event entitled "First-year students at the Faculty of Mathematics and Computer Science - online with IT companies".

The event took place on the eLearning platform of Transilvania University of Braşov. During this event, 60 first-year students at the study programmes *Computer Science*, *Applied Computer Science*, *Applied Computer Science – taught in German* and *Mathematics - Computer Science*, had the opportunity to know the collaboration opportunities offered by Braşov IT companies: practice stages, internships, scholarship offers, summer schools.

The companies that participated on the first day of the event were Trimble Romania, People Power, Serra Software, Waters Corporation, NTT DATA, XPERI, Siemens SRL and Cornerstone Technologies; and on the second day, the event was attended by the companies: Fortech, IBM, Codegile, Endava, Canam Group, General Magic, E-nnovation, Elektrobot and 3SS.



Having a vast experience in cutting-edge technologies and frameworks in the IT field, the Braşov companies delighted the students with their presentations. Therefore, the presentations were followed by a question and answer session. The students were informed about the possibility of doing an internship, but also about the prospect of employment in the IT field, after completing their academic studies.

We thank all those who participated in this event and we want an efficient collaboration in the future as well!

Lect. Dr. Nicoleta ENACHE-DAVID
Faculty of Mathematics and Computer Science

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ALONE TOGETHER – A SIX PARTH SERIES OF SOLO PIANO CONCERTS

Alone Together is a series of six solo piano concerts conceived during the COVID-19 pandemic. Organized by the Multicultural Centre of Transilvania University of Braşov and curated by the pianist Lucian Ban, the series borrows the name of a classical jazz standard and presents, between January and June 2021, six of the most representative Romanian jazz pianists improvising solo – maybe the absolute expression of chamber music – and answering questions from Lucian Ban and Adrian Lăcătuş, Director of the Multicultural Centre.



Through this fifth season of Chamber Jazz@Transilvania University, we aim to bring the musicians close to the community again. The series consists of six solo piano recitals starring Mircea

Tiberian, Alexandru Olteanu, Toma Dimitriu, Lucian Ban, Sebastian Spanache and Romeo Cozma, and it is filmed and recorded live on the university's extraordinary Steinway D-Series and broadcast on the [Facebook](#) and [YouTube](#) pages of the Multicultural Centre.

“As we know, the health crisis has marked the world, across countries and continents, and affected our communities in an unprecedented way. Perhaps the performers were among the most affected, seeing their lives completely suspended. Although the distancing measures still keep us away from each other, we hope that this project will show, once again, that music and arts can bring hope and relief. For any jazz pianist, solo performances are the ultimate challenge, since you have nowhere to hide and you have to face not only your own demons, but also the entire history of the piano in jazz and of the instrument itself.” (Lucian Ban)

Maria GHIURȚU
Multicultural Centre of Transilvania University

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“HAVING A TALK WITH...” AT RADIO CAMPUS TRANSILVANIA

Through the project *Radio Campus Transilvania* we always succeed in highlighting the most beautiful and interesting topics that target and attract students and not only them. One of the most broadcast shows is, without a doubt, “Having a talk with...”, a radio show format through which we want to invite the officials of Transilvania University of Braşov and other personalities from different fields of activity who have special achievements.

Beyond the student identity card or about what the student experience also means, we discussed on the 12 February 2021 with Lect. Dr. Oana Bota, the coordinator of the Centre for Career Guidance and Counselling, the reasons why it is really worthwhile to get involved in student life and community throughout the years of study.

In the following edition of the show, we talked about the experience of graduate in general and what it means to be a graduate of UNITBV. On 25 February 2021, we learned from our guest, Prof. Dr. Bianca Tescaşiu, further details about what a graduate can do, mentoring programs for students, and more.



With the first guest, Lect. Dr. Oana Bota, we discovered the pleasure and importance of an active student life. Volunteering, even at the Career Guidance and Counselling Centre, can be a real starting point for your future career. There have always been opportunities, but the involvement and desire to evolve depend on the person concerned. The freshmen are the ones who undergo most transformations, both emotional and social. They ask themselves various questions which may momentarily be grounds for dropout. However, do not

give up! Seek in yourself, dear student, the power to move forward without making this impasse a reason for dropout. The reasons why you chose this path are certainly much stronger than small obstacles. Let's be receptive and open to everything that is new and comes our way.



Afterwards, we went into detail about the Alumni project together with Prof. Dr. Bianca Tescaşiu. By Alumni / Alumnae of Transilvania University of Braşov we mean the entire community of graduates of the 18 older or newer faculties, established over more than six decades of existence. Moreover, the Alumni network is open to all those who work at Transilvania University of Braşov, to its sponsors and partners. The universities that involve Alumni in scientific research, in their long-term education programmes, as well as in cultural and social activities have the opportunity to benefit from their experience and thus to enrich their university culture, research activities and education. Training is the path to much desired success. Following our path is sometimes more important than the goal itself. It is important to do what we are fond of. At the beginning of our career we may accept a job for various reasons, but along the way we must find our way. Much can be said about what it means to be a real mentor, but a mentor has the role to motivate you and to believe in you until the end.

Arina-Codrina TACU,
Radio Campus Transilvania
2nd-year student, Communication and Public
Relations

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TRANSYLVANIA RETOUCHE – A CRITICAL FILTER APPLIED TO THE TRANSYLVANIAN LANDSCAPE

Between 10 February and 30 March, the Multicultural Centre of Transylvania University hosted the exhibition *Transylvania Retouched. A Matter of Landscape and Representation*. Composed of works authored by Transylvanian artists, Romanian and Hungarian, the project offers a critique of the conventionality of art and the way it is received by the public.



The red thread that all the works follow is changing the perception horizon of landscape painting, as well as the way of delivering new paradigms to the public. These visual artists, including Aladár Garda, Anca Benera & ArnoldEstefan, Zsolt Fekete, Károly Elekes, Lehel Kovács, Mircea Nicolae, Radu Băieș and Szabolcs Kisspál, try to blur the romantic cliché of nature seen as an autonomous organism, cut off from human existence, conducive only to contemplation and search for mystical inspiration. This generic “nature” is removed from under the sign of the idyllic and brought to the public in its complexity and vulnerability. The connections between nature and everything that means society (culture, industry, politics, people) are established, but the way in which the actions of mankind are ultimately reflected on the former is also emphasized.



Guided by the same principles was also the neo-avant-garde movement MAMŰ of the '70s - '80s. As a performative and experimental artistic group, their intention was not to represent environment and nature through art, but to downright transform them into the constitutive matter of art.



Attached to folklore and tradition, but neutralizing the political restrictions on art, the MAMŰ members had a period of prolific activity, albeit quite short, in which the nuances of the Western *land art* of the 1960s transpire; these nuances are brought to light by this exhibition through archive images.

Elena STANCIU
Faculty of Letters, 2nd year

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