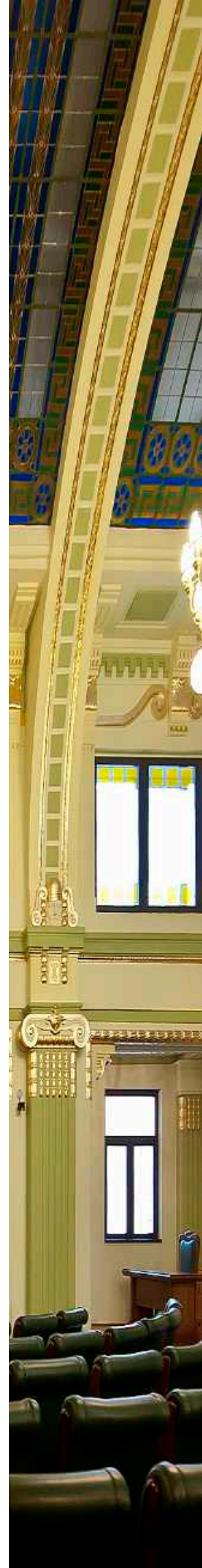


Politehnica University Timișoara

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Assoc. Prof. Florin Drăgan, PhD, Rector of Politehnica University Timișoara

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Politehnica University Timișoara in 2023 Timișoara European Capital of Culture

We find ourselves at the beginning of an important year both for Politehnica and for Timișoara. 2023 is the year when Timișoara is the European Capital of Culture, a year when everything we achieve will, more than ever, be seen on a large scale, beyond the regional or national level. What we do this year is important, but what we are left with after this year is even more important. The results of this year are essential for Timișoara, just like the experience we can then use at the regional level.

Besides our university's involvement in the TM2023 Cultural Program, this year we will also take steps towards consolidating our role in the region, as per our university's tradition. Given that last year, we celebrated 50 years of engineering in Arad, we can say we are involved in a project to develop dual learning alongside Aurel Vlaicu University, taking the responsibility of developing dual learning in Hundoara as well after taking a lead role in Timișoara. Strengthening the connections with the business and administrative sectors, and developing partnerships with regional companies remain priorities for Politehnica University Timișoara in 2023.

From a cultural standpoint, we have been preparing for 2023 since before 2022. Among the projects we have been preparing are: the design and innovation program Bright Cityscapes, the prototype of the future Timișoara Urban Laboratory, through which UPT and the Independent Cultural Center FABER develop a testing and manufacturing space for MultipleXity; an invitation to the public, local and European, to new artistic experiences enhanced by technology through Spotlight Heritage; the consolidation of the partnership with META space through redrawing the park around the MV Sci Art Hub and through a dialog between researchers and professors in the university with artists; the reopening of the former university cafeteria for the students and the public – a historical, Romanian Revival monument inaugurated in 1930 – now transformed into ARCHA, a center for excellence in the field of material science and design sustainability through manufacturing and prototyping innovative solutions; organizing TECH SUMMIT, alongside partner companies, transforming Tech Talks in two days of conferences in the digital and technology fields; and even more events with the involvement of students from Politehnica and other universities in Timișoara.

In 2022, we continued our work on digitalization in the university, but also defined new projects that will be implemented in the coming years. Obtaining the highest score for digitalization projects in Romanian universities in The National Recovery and Resilience Plan (PNRR) forces us to implement our projects accordingly. We are referring to new laboratories, improvements for the university infrastructure and involving everyone in these activities, from university specialists to PhD, master and bachelor students. Besides implementing the digitalization grant with immediate results for teaching and research, we continue to invest in administration, including training administrative staff to use new software applications.

Our vision implies a new meaning for the university campus – a green and smart campus, a small city because Politehnica is a city within a city through the size of our community and the wide palette of fields we are engaged in. We started to implement this vision in 2022 by involving the students from the Faculty of Architecture within UPT in drafting the first ideas; in 2023, we will continue the projects connected to this campus that we envision as a creative one. The university's assets are substantial for a Romanian university. We are interested in making all the university's facilities more available, expanding our research and technological transfer facilities, improving teaching spaces; we can accomplish such goals in 2023 through accessing various EU funding opportunities.

Another pillar for the growth of the university is our involvement in the European universities project EUDRES. In 2022, the number of universities in the project grew from 6 to 9, the roster welcoming universities from Finland, Germany and The Netherlands. The next steps we want to take are to consolidate the existent partnerships and to develop new, joint doctorate or microcredits programs with a significant impact for our University. Also regarding internationalization, we set out to increase the number of international students in the university and promote a recruitment strategy based on Western models, as well as increase the number of Master and Bachelor programs in foreign languages.

Although the population enrolled in education in Romania is decreasing, we look to increase our number of students and diversify our study programs; we try not only to train graduates for the labor market, but also to offer our students new qualifications which would attract new investors on the market; we also want to support the entrepreneurial sector more consistently.

Starting with a hiring rate of over 90% in 2022 for bachelor graduates, improvements imply, besides constantly diversifying our study programs, involving students not only in teaching activities, but also in research, increasing students' engagement in multidisciplinary activities, aiming to also improve their leadership skills and creativity.

In 2023, just like in 2022, we set out to be the university that offers access to education at the lowest social costs for our students, since we believe that through education we can fundamentally change the Romanian society. At the same time, we will continue to award substantial scholarships to students without standing learning and research outcomes, both from our resources, and with the help of our partner companies.

If in the field of entrepreneurship, in recent years, the number of courses, activities and competitions has been increasing, while partnerships with the business sector were already at a high level, characteristic for Politehnica in 2020. In 2023, new opportunities for development in this crucial industry will arise as a result of the Steering Committee's new format, which also includes an administrative component. Our concern remains to increase the number of partnerships with local businesses.

Whether we are talking about teaching, research, digitalization, entrepreneurship or internationalization, Politehnica University Timișoara will always aim to be a model for the other universities in the region; thus, we, the people of the university, have the obligation to continue our ambitious, transformative projects for the region, but also to assume a pioneering role among Romanian universities.

*Assoc. Prof. Florin Drăgan,
PhD, Rector of Politehnica
University Timișoara*





Dear future international student

Welcome to Timișoara. Romania. Europe. We are not any kind of city in Europe, but the European Capital of Culture in 2023, with a cultural heritage that will last for years. In this context, Politehnica University Timișoara has the ambition to be the intellectual capital of tech education in Romania, and we invite you to contribute to this aim by studying:

Bachelor's Degree Programs (in English):

Computer Science (Computers and Information Technology), Telecommunication Systems and Technologies, or Civil Engineering

Bachelor's Degree Programs (in German):

Civil Engineering

Master's Degree Programs (in English):

Software Engineering, Machine Learning, Cloud Computing and Internet of Things, Information Technology, Automotive Embedded Software, Communications Networks Engineering, Engineering and Management of Quality and Competitiveness, or Advanced Design of Steel and Composite Structures

It is good to know that the accommodation and tuition fees are some of the lowest in Europe! Despite the presence of tech industry giants in Timiș-oara, standard student dorms start at less than 50 euros per month. The tuition fee per academic year ranges from: 2430 Euros/year (2650 US Dollars) for IT Bachelor's and Masters
3150 Euros/year, (3400 US Dollars) for the Architecture programs

And the truly amazing part is the fact that the IT students can be recruited from year 1 to work as interns or part-timers at: Nokia, Amazon, Microsoft, Continental, Intel, Atoss, Hella, Canon, Honeywell, Qualcomm, Everseen, Lives International, Haufe Group, Saguro Technology, and Lasting.

All companies with a division of Artificial Intelligence, Machine Learning and Deep Learning, have an eye on the future. In all the enumerated companies, as an IT student-intern, one can start at 400 euros (450 US dollars) a month, and after finishing studies according to experience and knowledge, one can have a monthly wage of 3000 euros (3.300 US dollars) and reach up to 8.200 euros (8.900 US dollars).

UPT will soon open a cutting-edge robotics lab and offer the opportunity to study Romanian in the first year, so you may want to continue your studies in Romanian as well!

Start **designing your future** by engaging in a landmark experience in one of Romania's largest, most innovative, and vibrant cities!

Contact us at student-admissions@upt.ro

International Affiliations

AUDEM - Alliance of Universities for Democracy

AUPELF - Association des Universités Partiellement ou Entièrement de Langue Française

EADTU - European Association of Distance Teaching Universities

EAIE - European Association for International Education

IADIS - International Association for Development of the Information Society

EUA - European Universities Association

AUF - Agence Universitaire de la Francophonie

IEEE - Institute of Electrical and Electronic Engineers, USA

EDEN - European Distance and e-Learning Network

IASTED - International Association of Science and Technology Engineers for Development, USA

EuroPACE - European Portal for Advanced Collaboration in e-Learning

EATA - European Association for Telematics Applications

BEnA - Balkan Environmental Association

IABSE - International Association of Bridge and Structural Engineering, Switzerland

FIB - Federation Internationale du Beton, Switzerland

ISE - Institute of Structural Engineering, Great Britain

IAHR - International Association of Hydraulic Engineering and Research

ASHRAE - American Society of Heating, Refrigerating and Air Conditioning Engineers, USA

ISIAQC - International Society of Indoor Air Quality and Climate

EAAE - European Association for Architectural Education

EFMI - European Federation of Medical Informatics

IAH - International Association for Hydraulic Research

ISBEM - International Society for Boundary Element Methods

TECHWARE - Technology for Water Resources

EWRA - European Water Resources Association

ASAE - American Society of Agricultural Engineers

ISL - International Society of Lyophilization

E³UDRES²

EUROPEAN UNIVERSITIES - E3UDRES2 – Engaged and Entrepreneurial European University as Driver for European Smart and Sustainable Regions

E³UDRES² promotes the development of small and medium-sized cities and their rural environments into smart and sustainable regions and shapes a prosperous future with the best possible quality of life for self-determined people in a progressive European society. The Alliance assembles six universities of applied sciences, one polytechnic university and one university of agricultural sciences, life sciences and veterinary medicine. In addition to structural and geographical criteria, E³UDRES² members were selected due to their common vision of creating smart and sustainable regions.

E³UDRES² pursues the following strategic goals:

- Provide Challenge-Based Education, Mission-Oriented Research, Human-Centred Innovation, Open and Engaged Knowledge Exchange
- Build on in-depth scientific expertise and cross-disciplinary applied skills
- Shift to a European multi-university campus
- Empower, support and challenge creative talents for future work
- Act as an inclusive platform for collaborative open innovation
- Think and learn entrepreneurial
- Engage and interact with your communities



High Academic Distinctions

Politehnica University Timișoara (UPT) has several honorary members that add to its institutional prestige. Our institution can award three types of high academic distinctions to people who have brought their contribution to the development of Politehnica University Timișoara: Professor Emeritus, Honorary Professor, and the highest of them all, Doctor Honoris Causa.

Over the past years, Politehnica University Timișoara has awarded more than 50 **Professor Emeritus** distinctions to the retired professors who devoted their entire careers to sharing their knowledge and academic passion with students, having a pivotal role in their professional paths on the way to becoming the most remarkable engineers and professionals, capable of progress and innovation.

The **Honorary Professor** distinction has been awarded to 65 professors and/or researchers, both from Romania and from abroad. The number of foreign professors and researchers who have received this title reflects UPT's openness, which is demonstrated by this statistic; most of the nominees are foreigners, representing universities from all over Europe and the USA. They come from Germany, France, and the USA, but the list also includes universities from Italy, United Kingdom, the Netherlands, Portugal, Slovakia, Austria, Hungary, etc.

As far as the **Doctor Honoris Causa** title is concerned, this is the highest distinction that can be awarded by a university, and we are proud to say that since 1994, UPT has awarded more than 55 DHC distinctions to remarkable people both from Romania and from abroad. Personalities with worldwide recognition have become DHC's of UPT, strengthening the bond between our institution and universities and research centres from Germany, France, Hungary, Italy, Japan, Belgium and many other countries.

Research Centres

Most of the research activity carried out by our institution is done within the 26 research centres hosted by the university. Politehnica's reputation as an institution of advanced research is emphasized by the diversity of the research fields in which these research centres operate.

- Research Centre for Advanced Study Methods for Physical Phenomena;
- [Research Centre for Automatic Systems Engineering](#);
- Research Centre for Building Services;
- [Research Centre for Complex Fluid Systems Engineering](#);
- Research Centre for Computers and Information Technology;
- [Research Centre for Infrastructures for Constructions and Transportation](#);
- Research Centre for Engineering and Management;
- [Research Centre for Environmental Science and Engineering](#);
- Research Centre for Hydrotechnical Engineering and Environmental Protection;
- [Research Centre for Inorganic Materials and Alternative Energies](#);
- Research Centre for Integrated Engineering;
- [Research Centre for Intelligent Electronic Systems](#);
- Research Centre for Intelligent Signal Processing;
- [Research Centre for Mechanics of Materials and Structural Safety](#);
- Research Centre for Mechatronics and Robotics;
- [Research Centre for Medical Engineering](#);
- Multimedia Research Centre;
- [Research Centre for Organic, Macromolecular and Natural Compounds' Chemistry and Engineering](#);
- Research Centre for Power Systems Analysis and Optimization;
- [Research Centre for Processing and Characterization of Advanced Materials](#);
- Research Centre for Rehabilitation of Constructions;
- [Research Centre for Smart Energy Conversion and Storage](#);
- Centre for Teacher Training;
- [Research Centre for Thermal Machines and Equipments, Transportation and Environmental Pollution Control](#);
- Research Centre for Urban Planning;
- [Research Institute for Renewable Energy](#).

Department for International Relations



The Department for International Relations: (i) coordinates and manage international students' admission, international cooperation agreements, mobility programs, (ii) monitors the university's participation in international academic network, (iii) promotes the international image of the university and the academic offer.

International partnerships

Politehnica University Timișoara has over 400 bilateral Erasmus+ agreements and about 100 framework cooperation agreements with universities from all over Europe, but also from Africa, Asia, North and South America.

Each year, more than 150 students carry out study mobilities or do traineeship abroad, while over 150 students from partner universities come to study in UPT. Through the Erasmus+ and CEEPUS programs, UPT has hosted international students from Afghanistan, Albania, Bosnia and Herzegovina, Dominican Republic, Egypt, France,

Greece, Hungary, Israel, Italy, Japan, Jordan, Mauritius, Morocco, Moldova, Montenegro, Portugal, Palestine, Serbia, the United States of America, Tunisia, Ukraine, and so on.

Events organization

- International staff weeks
- International students welcome days
- Cultural events for international students

Collaboration with student organizations

- Partnership with students' unions and support for students' initiatives
- Collaboration with Erasmus Student Network from Timisoara



Department for International Relations
Timisoara, Piața Victoriei, nr. 2
www.upt.ro/international



ROMANIAN LANGUAGE PREPARATORY YEAR

Salut! 😎

Politehnica University Timișoara is accredited to organize the Romanian Language Preparatory Year in the fields of mathematics and natural sciences, engineering sciences, social sciences, humanities and arts, biological and biomedical sciences.

This intensive language course is mandatory for international students who wish to enroll in full-degree study programs taught in Romanian.

Super! 😄

THE FOLLOWING TYPES OF APPLICANTS CAN ENROLL IN THIS PROGRAM:

Citizens from third countries who wish to study in Romanian at Politehnica University Timișoara or another university in Romania

TUITION FEE:
1980 EUR/academic year

Citizens from EU countries who wish to study in Romanian at Politehnica University Timișoara or another university in Romania

TUITION FEE:
2500 RON/academic year

Romanian ethnics from abroad who want to learn or improve their Romanian language level before attending a study program at Politehnica University Timișoara or another university in Romania

TUITION FEE:
2550 RON/academic year

Maximum number of students per academic year: 100

Ce faci? 😊

Serios? 😬

✉ student-admissions@upt.ro

☎ 0256 403 187

up
Universitatea
Politehnica
Timișoara

Why study at Politehnica University Timișoara?

According to tradition, the mission of Politehnica University Timișoara resides in meeting the competence requirements of the societal environment by providing superior training at undergraduate, graduate, and postgraduate levels.

Bearing fundamental values, the university mission reflects at the same time concern for the future of society, by tracing its development at local, regional, national, and international levels.



About

Established in 1920, shortly after the unification of Romania, by Royal Decree of King Ferdinand I, the Polytechnical Institute was immediately able to respond to the need for technical and scientific expertise in the aftermath of World War One.

Politehnica University Timișoara (UPT) is one of the **biggest and most well known technical universities from Central and Eastern Europe**. Over its 100 years of existence, the university has built a well deserved reputation for excellence based on the academic and research programs, the support given to students and the engagement in the socio-economic life of the region.

Student facilities



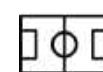
Scholarships



Student residencies



Modern library



Sports facilities



Summer schools



Free local transportation



Online educational platform



Student clinic



Career fairs



PoliCard



Entrepreneurship student hub



Volunteering opportunities



Access to cultural events



Company internships



Erasmus+ and CEEPUS programs



Free summer camps

Faculty of Architecture and Urban Planning



The Faculty of Architecture and Urban Planning is one of the youngest faculties of the Politehnica University Timișoara and has known a continuous development in the last 50 years, both concerning the educational offer and the number of students and teaching staff. The faculty responds to the high demand of specialists on the job market, offering an interdisciplinary educational environment focused on contemporary trends and the changing expectations of the profession.

2 Bachelor programmes

3 Master programmes

Faculty of Architecture and Urban Planning
Timișoara, str. Traian Lalescu nr. 2/A
Tel. +40 256 40 40 21, Fax +40 256 40 40 20
Email: arh@upt.ro
www.arh.upt.ro





DESIGN YOUR FUTURE

Study programs

Bachelor studies

Bachelor specialisations:

Architecture (integrated bachelor and master degree - 6 years);
Furniture and Interior Design (3 years).

Master studies

Master specialisations:

Heritage Restoration and Regeneration;
Urban Planning and Landscape Design;
Trends, Materials and New Technologies in Interior Architecture.

Cooperation

The Faculty of Architecture and Urban Planning cooperates with several institutions, like the Order of Architects from Romania - Timișoara territorial branch, companies like BAUMIT, KERAKOLL Romania, MAPEI, YTONG XELLA Romania, several city halls including Timișoara City Hall and also various architecture design studios like Andreescu & Gaivoronschi, Archistress studios TM, Artplan, Atelier CAAD, ADMO STUDIO, Birou Arhitectura Adam, D PROIECT, Procad, RD Sign, RENDERISTIC, Studio ARCA, SUBCONTROL, WH Project, thus showing its close relations with the economic environment.

Faculty of Automation and Computer Engineering



The first computer designed and built in the Romanian academic environment, called MECIPT-1, has been produced in our faculty, in 1959. The Department of Automation and Computer Science, part of the Faculty of Electrical Engineering, became the Faculty of Automation and Computer Engineering in 1990.

6 Bachelor programmes

11 Master programmes

PhD programmes

Faculty of Automation and Computer Engineering
Timișoara, bd. Vasile Pârvan nr. 2
Tel. +40 256 40 32 11, Fax +40 256 40 32 14
Email: ac@upt.ro
www.ac.upt.ro





DESIGN YOUR FUTURE

Study programs

Bachelor studies

Bachelor domains:

Systems Engineering;
Computers and Information Technology;
Informatics.

Bachelor specialisations:

Automation and Applied Informatics (4 years);
Computers (4 years);
Computers (4 years - in English);

Information Technology (4 years);
Informatics (3 years);
Informatics (3 years - distance learning).

Master studies

Master specialisations:

Automotive Embedded Software;
Healthcare Information Systems;
Automatic Systems Engineering;
Informatic Systems Applied in Production and
Services;

Information and Cybernetic Systems Security;
Software Engineering;
Information Technology;
Informatic Technologies.

Machine Learning;
Cloud Computing and Internet of
Things;
Game Development.

PhD studies

Systems Engineering; Computers and Information Technology.

Cooperation

The Faculty of Automation and Computer Engineering cooperates with a large number of national and multinational companies, showing the close relations with the economic environment. Starting with the third and fourth year of studies, many students do internships or are employed part-time. Representative partner companies are Atoss, Continental, Hella, Nokia, Krohne, Accenture, Honeywell, Intel, Lives International, Haufe Group, Saguaro Technology and Lasting.

Faculty of Industrial Chemistry and Environmental Engineering



The Faculty of Industrial Chemistry and Environmental Engineering was founded in 1948. Currently, the faculty organizes all three cycles of university studies: undergraduate studies; master studies and doctoral studies.

6 Bachelor programmes

5 Master programmes

PhD programmes

Faculty of Industrial Chemistry and Environmental Engineering
Timișoara, bd. Vasile Pârvan nr. 6
Tel. +40 256 40 30 63, Fax +40 256 40 30 60
Email: chimie@upt.ro
www.chim.upt.ro





DESIGN YOUR FUTURE

Study programs

Bachelor studies

Bachelor domains:

Chemical Engineering;
Environmental Engineering;
Food Products Engineering.

Bachelor programs:

Organic Compounds Chemistry and Engineering,
Petrochemistry and Carbochemistry (4 years);
Engineering of Inorganic Substances and
Environmental Protection (4 years);

Engineering and Informatics of Chemical and
Biochemical Processes (4 years);
Engineering and Protection of Industrial
Environment (4 years);
Applied Informatics in Environmental Engineering
(4 years);
Food Control and Expertise (4 years).

Master studies

Master specialisations:

Environmental Engineering and Management in
Industry;
Fine Organic Synthesis, Semi Synthetic and
Natural Products;

Engineering of Inorganic Compounds and
Environmental Protection;
Polygraphic Techniques;
Food Control and Approval.

PhD studies

Chemical Engineering.

Cooperation

The Faculty of Industrial Chemistry and Environmental Engineering has developed cooperation relations with several national and multinational companies and with public institutions from Western Romania.

The faculty cooperates with the following national and multinational companies: Aquatim, Azomures, Azur, Berg-Banat, Romaqua Group Borsec, C+C, Coca-Cola HBC Romania, Elba, Procter & Gamble Romania, Pro air Clean, Smithfield Prod, Ursus - SABMiller, Supremia Grup, Favisan, Guban, etc. The students have the opportunity to do internships in these companies, and some of them become successful employees.

Moreover, it collaborates with public institutions from Western Romania: City Halls, Autonomous Water and Sewerage Companies, Environmental Protection Agencies, Sanitary Veterinary and Food Safety Authorities, Consumer Protection Offices.

Faculty of Civil Engineering



The Faculty of Civil Engineering was founded in November 1941 and has continuously developed ever since. The faculty prepares specialists in three fields of study at all levels: Bachelor (4 years), Master (2 years) and PhD (3 years).

8 Bachelor programmes

8 Master programmes

PhD programmes

Faculty of Civil Engineering
Timișoara, str. Traian Lalescu nr. 2
Tel. +40 256 40 40 00, Fax +40 256 40 40 10
Email: constructii@upt.ro
www.ct.upt.ro





DESIGN YOUR FUTURE

Study programs

Bachelor studies

Bachelor domains:

Civil Engineering (in Romanian, English or German);
Building Services;
Geodesy.

Bachelor specialisations:

Civil, Industrial and Agricultural Constructions
(4 years);
Road, Railway and Bridge Engineering (4 years);
Hydrotechnical Developments and Constructions
(4 years);

Construction for Water Supply and Sewerage
Systems (4 years);
Civil Engineering (in English, 4 years);
Civil Engineering (in German, 4 years);
Building Services (4 years);
Land and Cadastre Measurements (4 years).

Master studies

Master specialisations:

Construction Rehabilitation;
Advanced Design of Steel and Composite Structures
(in English);
Transport Infrastructures;
Optimization of the Hydrotechnical Systems;

Sustainable Development: Energy Audits and Fire
Safety of Buildings;
Optimization of the Exploitation of Sanitary
Engineering and Environmental Protection;
Optimization and Modernization of Building Services;
Cadastre and the Evaluation of Immovable Assets.

PhD studies

Civil Engineering and Installations.

Cooperation

The faculty has numerous partnerships with major companies in the field (local and international) which, through their representatives, actively participate in defining the university curriculum. The fields of employment for the graduates of the Civil Engineering Faculty are found in the Central, Regional and Local Public Administration (ministries, county councils, prefectures, town halls, etc.), strategic state companies (AquaTim, RomGaz, Electrica, Hidroelectrica, Regional Railways, National Agency for Cadastre and Real Estate Advertising, etc), as well as public or private companies operating in the field of infrastructure and services (MaxBOGEL, Strabag, Optim Proiect, DoseImpex, Gauss, BlackLight, Prometer, etc.).

Faculty of Communication Sciences



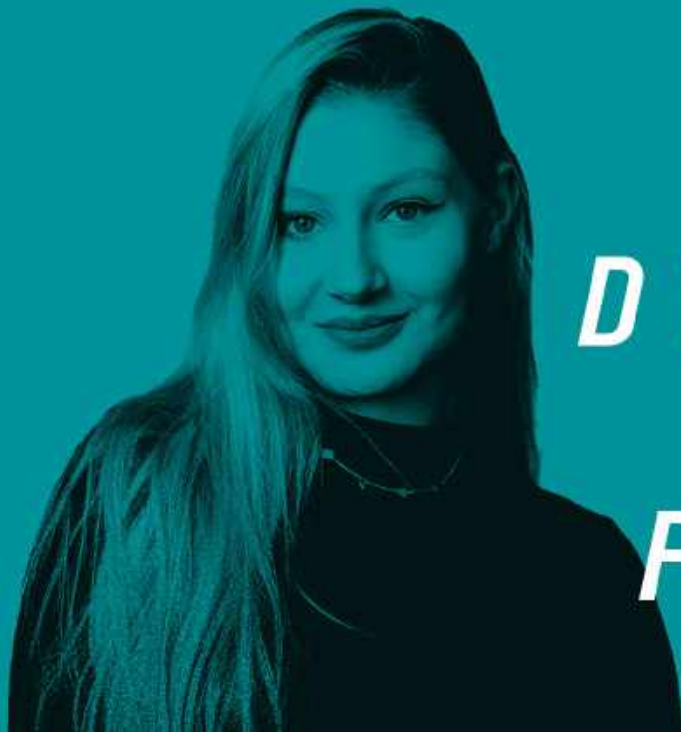
Established in 2011, the Faculty of Communication Sciences coordinates three undergraduate study programmes: Communication and Public Relations (on site learning and distance learning) and Translation and Interpreting (in English, French and German). The Faculty of Communication Sciences also coordinates two graduate study programmes: Communication, Public Relations and Digital Media (set up in 2011) and Business Communication (set up in 2017). The study programmes have a tradition of more than twenty-five years in the university.

3 Bachelor programmes

2 Master programmes

Faculty of Communication Sciences
Timișoara, str. Traian Lalescu nr. 2A
Tel. +40 256 40 40 11, Fax +40 256 40 40 13
Email: sc@upt.ro
sc.upt.ro





DESIGN YOUR FUTURE

Study programs

Bachelor studies

Bachelor domains:

Communication Sciences;
Applied Modern Languages.

Bachelor specialisations:

Communication and Public Relations (3 years);
Communication and Public Relations (distance
learning, 3 years);
Translating and Interpreting (3 years).

Master studies

Master specialisations:

The Communication, Public Relations and Digital
Media;
Business Communication

Cooperation

The Faculty of Communication Sciences collaborates with several public institutions, organisations, and companies with which it has agreements for carrying out specific activities such as: internships, informal educational activities, study visits, presentations, conferences, workshops, etc. Among its partners are the following organizations: The Chamber of Commerce, Industry and Agriculture Timis, German Cultural Centre Timișoara, Art and Culture Centre French Institute of Timișoara, Intercultural Institute of Timișoara, Timișoara City Hall, Helpline and Swiss Solutions.

Faculty of Electrical and Power Engineering



The beginnings of electrotechnical higher education in Timișoara coincide with the establishment of the Polytechnic School on November 15, 1920, which began its activity with the training of engineers in the specializations Electromechanics (Mechanics and Electricity), respectively Mining and Metallurgy. In 1925, the Electricity Department was created, being led by Professor Emeritus Plautius Andronescu, who returned home from Switzerland, where he was private-docent at the Polytechnic in Zürich.


4 Bachelor programmes

3 Master programmes

PhD programmes

Faculty of Electrical and Power Engineering
Timișoara, bd. Vasile Pârvan nr. 2
Tel. +40 256 40 33 85, Fax +40 256 40 33 84
Email: ee@upt.ro
www.et.upt.ro





DESIGN YOUR FUTURE

Study programs

Bachelor studies

Bachelor domains:

Electrical Engineering;
Power Engineering.

Bachelor specialisations:

Electrical Engineering (4 years);
Electrical and Computer Engineering (4 years);
Engineering of Electrical Systems (4 years);
Energy and Information Technologies (4 years).

Master studies

Master specialisations:

Electrical and Power Electronics;
Management of Electrical Systems;
Intelligent Systems in Electrical Engineering.

PhD studies

Electrical Engineering; Power Systems Engineering.

Cooperation

The Faculty of Electrical and Power Engineering cooperates with several national and international companies and with universities from our country and from abroad (Kentucky, Bologna, Padova, Cassino, Torino, Seoul, Aalborg, Manchester, Glasgow, Toulouse, Grenoble, Budapest, Novi Sad, Sofia, Baku, Rabat, etc.).

The most prestigious collaboration is the one established with the German railway company DB Netz AG, Regionalbereich Sudwest. The collaboration includes a scholarship program for students, internships in Germany, but is also aims to develop research programs that have included teachers, master students and PhD students. Moreover, it cooperates with several national and multinational companies such as: ZF, Continental, Hella, Autoliv, ABB, Siemens, Diehl AKO Stiftung & Co., Transelectrica, Electrica, Nuclearelectrica, Hidroelectrica, Termoelectrica, Enel, EON, CEZ, Valeo, ELBA, ISIM, etc.

Faculty of Electronics, Telecommunications and Information Technologies



Electrical sciences were included in the curriculum of the Polytechnic School of Timișoara, since its establishment in 1920. In 1990, our faculty has been consolidated as an independent institution composed of three departments: the Department of Applied Electronics, the Department of Measurements and Optical Electronics and the Department of Communications.

4 Bachelor programmes

8 Master programmes

PhD programmes

Faculty of Electronics, Telecommunications and Information Technologies

Timișoara, bd. Vasile Pârvan nr. 2

Tel. +40 256 40 32 91, Fax +40 256 40 32 95

Email: etc@upt.ro

www.etc.upt.ro





DESIGN YOUR FUTURE

Study programs

Bachelor studies

Bachelor domains:

Electronic Engineering, Telecommunications and Information Technologies.

Bachelor specialisations:

Applied Electronics (4 years);
Telecommunications Technologies and Systems (4 years);
Telecommunications Technologies and Systems (in English, 4 years);

Telecommunications Technologies and Systems (distance learning, 4 years).

Master studies

Master specialisations:

The Electronics of Intelligent Systems (in English);
Biomedical Engineering;
Automotive Electronic Systems (in English);
Engineering of Telecommunication Networks;

Communications Networks Engineering (in English);
Technologies, Systems and Applications for eActivities;
Multimedia Technologies;
Data Engineering.

PhD studies

Electronic Engineering, Telecommunications and Information Technologies.

Cooperation

The Faculty of Electronics, Telecommunications and Information Technologies cooperates with numerous national and multinational companies, therefore keeping a close relation between the economic and academic environment. The students have the opportunity to develop within a proper environment, being able to easily adapt to the requirements of the labor market. The following companies are among some of the closest economic partners: Nokia, Continental Automotive, Hella, Flex, Honeywell, Texas Instruments, National Instruments, AEM, Microchip.

Faculty of Engineering in Hunedoara



The Faculty of Engineering in Hunedoara has its origins in the Institute of Technological Engineering, founded in 1970. Since 1974, the Institute has been subordinated to the Polytechnical Institute “Traian Vuia” of Timișoara, which later became Politehnica University Timișoara.


6 Bachelor programmes

4 Master programmes

PhD programmes

Faculty of Engineering in Hunedoara
Hunedoara, str. Revoluției nr. 5
Tel. +40 254 20 75 02, Fax +40 254 20 75 00
Email: fih@upt.ro
www.fih.upt.ro





DESIGN YOUR FUTURE

Study programs

Bachelor studies

Bachelor domains:

Electrical Engineering;
Environmental Engineering;
Engineering and Management;
Vehicle Engineering;
Applied Engineering Sciences.

Bachelor specialisations:

Electrical Engineering and Computers (4 years);
Waste Recovery Engineering (4 years);
Economical Engineering in the Chemical Industry
and the Industry of Materials (4 years);
Economical Engineering in the Field of Mechanics
(4 years);

Industrial Computer Science (4 years);
Automotive Vehicles (4 years).

Master studies

Master specialisations:

Computer Techniques in Electrical Engineering;
Advanced Materials and Technologies for
Automotive Industry;
Engineering and Management of Mechanical
Systems;

Engineering and Management of Sustainable
Development in Materials Industry.

PhD studies

Materials Engineering.

Cooperation

The Faculty of Engineering in Hunedoara cooperates with several companies, institutions and universities from our country and abroad. Some of the partners are the following: Hydromatic Sistem Hunedoara, Philips Romania Orastie, Mira Mon Prestcom Hunedoara, Complex Energetic Hunedoara, Arcelor Mittal Hunedoara, Hidroelectrica Hateg, Marmosim Simeria, Hidroelectricaserv Hateg, Service Automobile Deva, Agromec Deva, Proserv Hunedoara, Micromega Hd Hunedoara, Recomsid Hunedoara, Vb Test Motor Sport Hunedoara, Mikes Hardware Hunedoara, Auto Met 2006 Hunedoara, Gb Motors Deva Peugeot, Crismarplast Orastie, Coramex Renault Deva, Bancpost Hunedoara, The Administration of the National Park Retezat and Memory Hunedoara.

Faculty of Management in Production and Transportation



Graduates of the Faculty of Management in Production and Transportation have been employed by high-profile companies, such as Continental Automotive, Flextronics, P&G, Coca-Cola, Nestle, or have started their own companies like Magellan, Expert Consulting, etc.

5 Bachelor programmes

5 Master programmes

PhD programmes

Faculty of Management in Production and Transportation
Timișoara, str. Remus nr. 14
Tel. +40 256 40 42 84, Fax +40 256 40 42 87
Email: mpt@upt.ro
www.mpt.upt.ro





DESIGN YOUR FUTURE

Study programs

Bachelor studies

Bachelor domains:

Engineering and Management;
Administrative Sciences.

Bachelor specialisations:

Industrial Economic Engineering (4 years);
Economic Engineering in the Electric, Electronic and
Energetic Field (4 years);
Economic Engineering in Construction (4 years);

Economic Engineering in the Chemical and
Materials Industry (4 years);
Public Administration Studies (4 years).

Master studies

Master specialisations:

Entrepreneurial Management in Business
Administration;
Quality and Competitiveness Engineering and
Management (in English);

Engineering and Management of Competitiveness;
Engineering and Management of Logistic Systems;
Management of Public Organizations.

PhD studies

Engineering and Management.

Cooperation

The Faculty of Management in Production and Transportation has a very good cooperation with the economic environment from Western Romania and beyond. Among the partner companies are the following: Alcatel-Lucent Romania, Azur SA, ContiTech Romania, Constructim, Dura Automotive Romania, FM Logistics Romania, GEFCO Romania, Nestle, SAIF-TIM and Webasto Romania.

Faculty of Mechanical Engineering



The Faculty of Mechanical Engineering, as a higher education centre, was founded after the education reform of 1948, when the institution it belonged to, known as the Polytechnic School of Timișoara, became the Polytechnic Institute of Timișoara, which later became Politehnica University Timișoara.

13 Bachelor programmes

17 Master programmes

PhD programmes

Faculty of Mechanical Engineering
Timișoara, bd. Mihai Viteazu nr. 1
Tel. +40 256 40 35 21, Fax +40 256 40 35 23
Email: mecanica@upt.ro
www.mec.upt.ro





DESIGN YOUR FUTURE

Study programs

Bachelor studies

Bachelor domains:

Vehicle Engineering;
Industrial Engineering;
Materials Engineering;
Mechanical Engineering;
Engineering of Transportation;
Mechatronics and Robotics;
Applied Engineering Sciences.

Bachelor Specialisations:

Mechanical Engineering (4 years);
Machines and Equipment for Agriculture and
Food Industry (4 years);
Hydraulic and Pneumatic Machinery and Systems
(4 years);
Thermal Systems and Equipments (4 years);
Road Vehicles (4 years);

Transportation and Traffic Engineering (4 years);
Machine Construction Technologies (4 years);
Machine Construction Technologies
(distance learning, 4 years);
Welding Engineering (4 years);
Materials Science (4 years);
Mechatronics (4 years);
Robotics (4 years);
Medical Engineering (4 years).

Master studies

Master specialisations:

Advanced Mechanical Engineering;
Integrated Systems for Agri-Food Manufacturing;
Modern Railway Systems;
The Engineering of Work Relationships, Health and
Work Safety;
Quality Management of Technological Processes;
The Hydrodynamics of Machinery and
Hydromechanical Systems;

Propulsion Systems Engineering for Motor
Vehicles;
Advanced Techniques in Road Transportation;
Polymer and Composite Products Engineering;
Integrated Engineering;
Efficient Welding Gas Protection Processes;
Statistical Methods and Techniques in Health Care
and Clinical Research;
Advanced Materials and Technologies;

Quality Engineering in Mechatronics and Robotics;
Robotic Systems With Artificial Intelligence;
Ergoengineering in Mechatronics;
Implants, Prostheses and Biomechanical Evaluation.

PhD studies

Mechanical Engineering; Industrial Engineering; Materials Engineering.

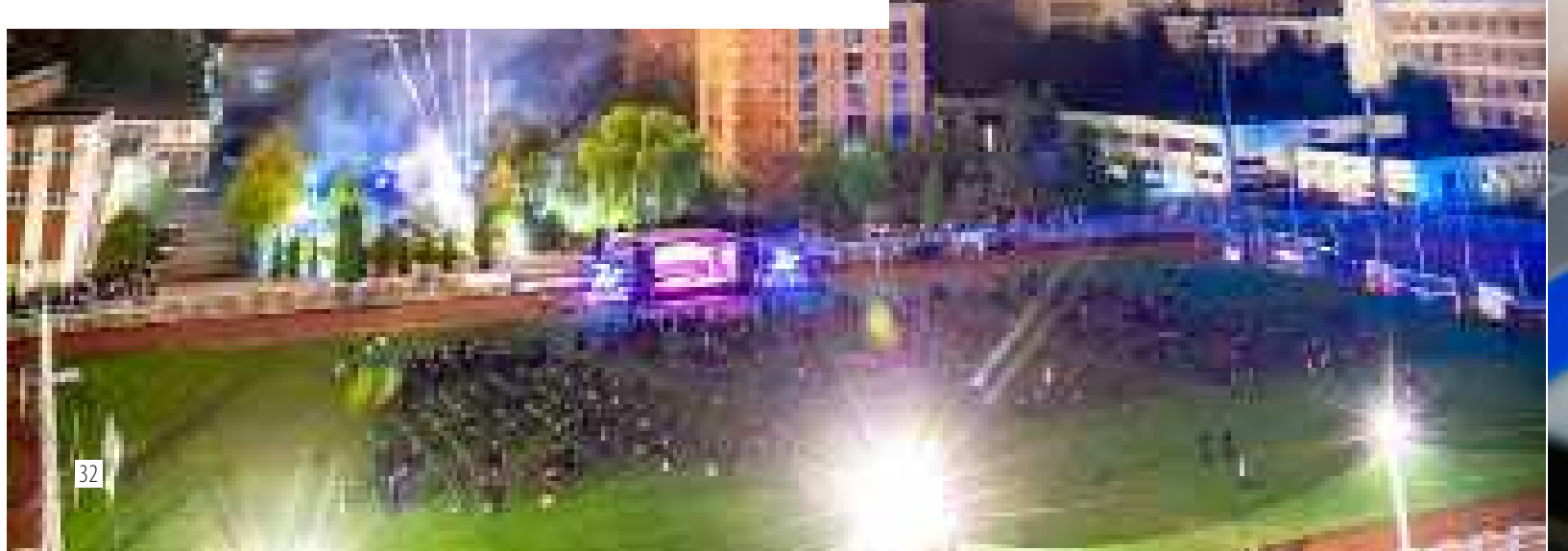
Cooperation

The Faculty of Mechanical Engineering collaborates with several companies such as Continental Automotive Romania, HELLA Romania, SIPA ENGINEERING Romania; Zoppas Industries Romania, and with universities from our country such as: Politehnica University of Bucharest; "Gheorghe Asachi" Technical University of Iasi; Technical University of Cluj Napoca.



Politehnica's Graduation Ceremony

Every year we organize a joint ceremony for the graduates of all faculties.



Centre for e-Learning

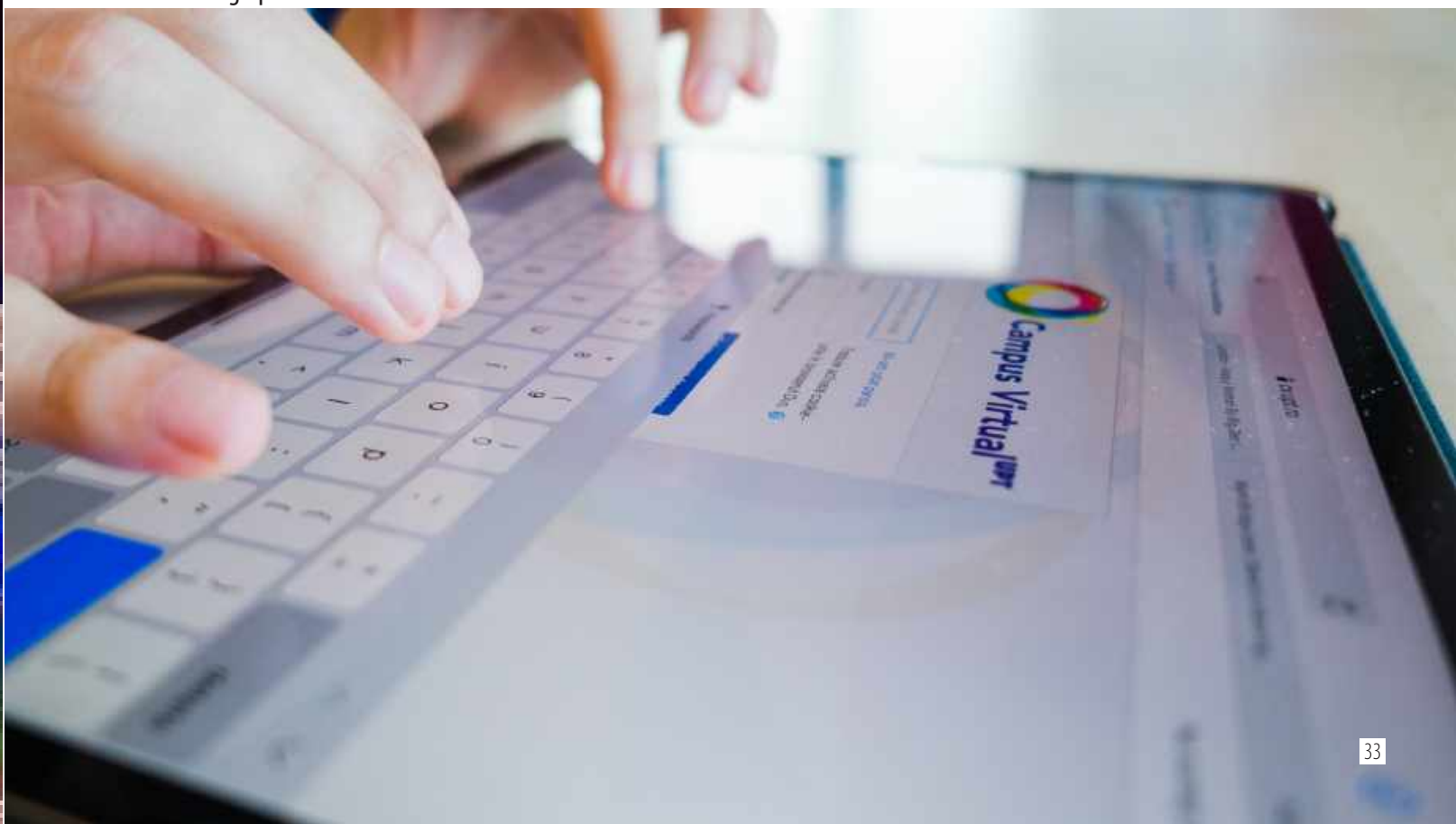


Since its establishment, in 1998, as the Distance Education Centre, the eLearning Centre has been at the forefront of developing online and digital education in the University. CeL initiates, promotes and manages distance education in the university, has created and manages the UPT Virtual Campus and advances research and development in digital education and engineering education. It was the first centre to introduce a digital education ecosystem in Romania by integrating eLearning and blended learning, mobile learning with open education and the use and creation of Open Educational Resources (OER), and UniCampus as the first Romanian MOOC (Massive Open Online Courses).

The UPT Virtual Campus is the core of educational digitisation, built as a single digital entry point for administration, academics and students. It includes the Academic management (LMS Learning Management System): interface for degree and curriculum management, for managing students, academics, exams, results, attendance, etc; Academic learning support (Course management and curation system): online courses, online or electronic laboratory materials, podcasts, multimedia resources; Academic learning experience and communication with web 2.0 and social media tools (forum, blog, wiki, messaging, interactive resources, collaborative and external tools, etc).

Over the years, CeL has been involved in over 25 projects funded by European Union, is partner in international associations (EDEN, IEEE, IAFeS, ASLERD) and co-operates with similar centres from universities from all over the world. The centre is constantly running dozens of free workshops and webinars, is involved in research and development activities in the fields of open education, digital education, digital students, digital skills, advanced web technologies including augmented and virtual reality, blockchain for education, virtual campuses, virtual mobilities, open badges and microcredentials.

www.elearning.upt.ro



Student Organizations

Each faculty has its own Students' Organization that provides support, activities and entertainment for the students. They organize the now famous ISWiNT (International Student Week in Timișoara) festival, which brings together more than 500 students from all over the world.



Students' organization for the Faculty of Architecture and Urban Planning



Students' organization for the Faculty of Automation and Computer Engineering



Students' organization for the Faculty of Chemistry and Environmental Engineering



Students' organization for the Faculty of Electrical and Power Engineering



Students' organization for the Faculty of Electronics, Telecommunications and Information Technologies



Students' organization for the Faculty of Engineering in Hunedoara



Students' organization for the Faculty of Management in Production and Transportation



Students' organization for the Faculty of Mechanical Engineering



Students' organization for the Faculty of Civil Engineering



Students' organization for the Faculty of Communication Sciences





Centre for Counseling and Career Guidance

CCOC is a department within Politehnica University Timișoara aiming to offer specialized support to students. It mainly seeks to provide students with professional guidance, psychological counselling and help them integrate socially.

Services provided by the Centre for Counseling and Career Guidance:

- Psychological counseling for students
- Student Summer Camps
- Students' skills assessment
- Career guidance and vocational training
- Training sessions and workshops
- Internship and volunteering programs
- Identifying opportunities for students
- Student events

www.ccoc.upt.ro



UPT Library

The operating principle of the UPT Library is a new, user-centred approach, offered through modern resources and automated services.

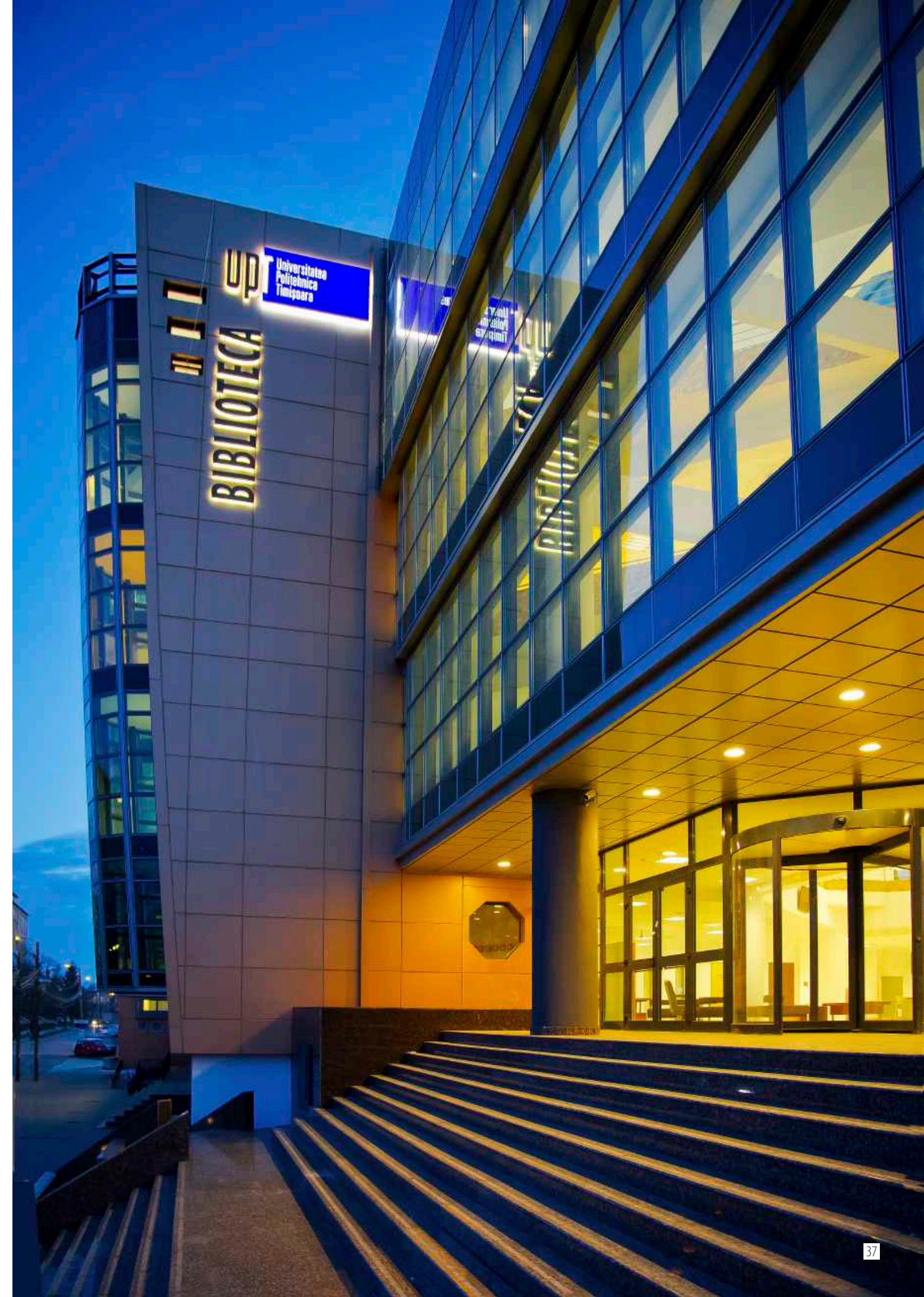
The library's services are available for both students and professors at Politehnica University Timisoara, as well as for external users.

Services provided by the library:

- Self-check points and copy center;
- 3D printing services;
- Study room open 24 hours/ 7 days a week;
- Capacity of 700 study places, arranged in flexible spaces;
- IT space with a capacity of 180 seats, equipped with computers;
- Multipurpose room equipped with a videoconference system;
- Traditional automated services (self-borrow and self-return), 24h self-return system;
- Wi-Fi access throughout the building;
- Multipurpose library card;
- Access to online catalogs;
- Access to online data bases;
- Orientation, and information sessions.

Aside from the spaces mentioned above, the library also has an old book room with volumes dating from 1798 to 1900.





UNIVERSITATEA
POLITEHNICA
TIMISOARA
BIBLIOTECA

Universitatea
Politehnica
Timisoara

Universitatea
Politehnica
Timisoara



Sports Facilities

Politehnica University Timișoara offers a variety of sports facilities, including: 3 sports units; 2 indoor halls fully equipped for ball games; 7 football fields, three of which are outdoor standard halls for competitions and two of which are synthetic, indoor, balloon type football pitches; an indoor area with synthetic minigolf, handball, and basketball grounds; a complex comprised of two swimming pools (indoor and outdoor); fitness rooms; and facilities for other sports. The male handball team “Politehnica” of the University is well-known on an international level, and the football team “Poli” competes at a national level.

Sports Complex 1 includes: fitness hall, football pitch, running track, covered mini-football fields.



Sports Complex 2 includes: swimming pools (indoors, with fitness equipments and sauna, and outdoors), sports halls (tennis, basketball, volleyball), tennis courts (bitumen and tartan), basketball courts, football fields, multipurpose buildings.



Student Campus

Our campus, located near the center of Timișoara, allows students to enjoy university life while also taking advantage of the city's many amenities. A vibrant academic and social life is completed by historical and modern buildings surrounded by attractive parks. Politehnica University Timișoara accommodates approximately 5500 students in 2000 student rooms spread across 16 residences, all of which are equipped with internet connection, cable TV, a refrigerator, and new furniture.

Hotels - Student Restaurants

The University owns two hotels in the city center, Casa Politehnicii 1 (22 rooms) and Casa Politehnicii 2 (33 rooms). They are 3 and 4 star hotels, respectively, with their own restaurants and other amenities such as phone, TV, refrigerator, air conditioning, and Internet access.

Furthermore, the university has two student restaurants on campus (Politehnica University Canteen and Fast Food MV) that serve lunch and dinner.



Politehnica Publishing House

Politehnica Publishing House was founded in 1996 with the purpose of contributing to the prestige of the Politehnica University Timișoara, through publishing papers which were representative for the scientific and technical potential of the school. Politehnica Publishing House rose in the western part of Romania with a technical, scientific and didactic profile, providing its readers with high quality books.

The books of Politehnica Publishing House represent the proof of dedication and professionalism, thanks to the quality of the authors and the conscientiousness of the scientific referees. In an essay book (*The Ashy Gold*, Dacia Publishing, 1972), Mircea Malița – former Minister of Education, was not afraid to say that “the best polytechnic of the country is in Timișoara”. The publishing house represented the binder that facilitated the connection between man and book, between the author and his work, respectively the literary work and the reader, giving substance a physical form. Politehnica Publishing House is a registered trademark of the University Politehnica Timișoara.

Politehnica Publishing House
Timișoara, Bd. V. Pârvan, Nr. 2B
Tel: +4 0256 40 46 77
E-mail: editura@upt.ro
www.editurapolitehnica.upt.ro



Politehnica Printing House

Politehnica Printing House (the production section of the publishing house) was established in the 1970s, when the foundation of the Lithographs was laid, with the purpose of providing support to teachers and students by facilitating the access to information and printed form. Subsequently, the Lithographs became the Replication Centre, having the same aim of supporting the teaching process. In 2007, the Replication Centre entered its last stage of reinvention, becoming what is now the Politehnica Printing House.

The printing services provided by Politehnica Printing House are: printing, editing, copying, binding, reconditioning of old works, manual spine stitching, manually customizing works with gilded characters, etc. The printing house offers also a wide range of products, including: maps and mailing tubes, event materials (posters, invitations, greeting cards, envelopes, diplomas, etc.), templates, vouchers, cards, promotional materials (brochures, leaflets, magazines, booklets, catalogs, menus, etc.), corporate materials (folders, badges, cards, letterheads, self-adhesive labels, etc.), albums, notebooks, and planning materials (agendas, planners, calendars, etc.).

Politehnica Printing House
Timișoara, Bd. Republicii nr. 9
Tel. +40 256 40 38 23; +40 256 40 38 24
Tel. +40 256 40 38 28; +40 721 305 948
E-mail: tipografia@upt.ro
www.tipografia.upt.ro



ExperimentariumTM

The interactive centre ExperimentariumTM, based on Physics experiments, was created through the partnership between two prestigious universities: Politehnica University Timișoara and West University of Timișoara. The ExperimentariumTM laboratory is addressed to young people, pupils or students who wish to conduct the most diverse Physics experiments.

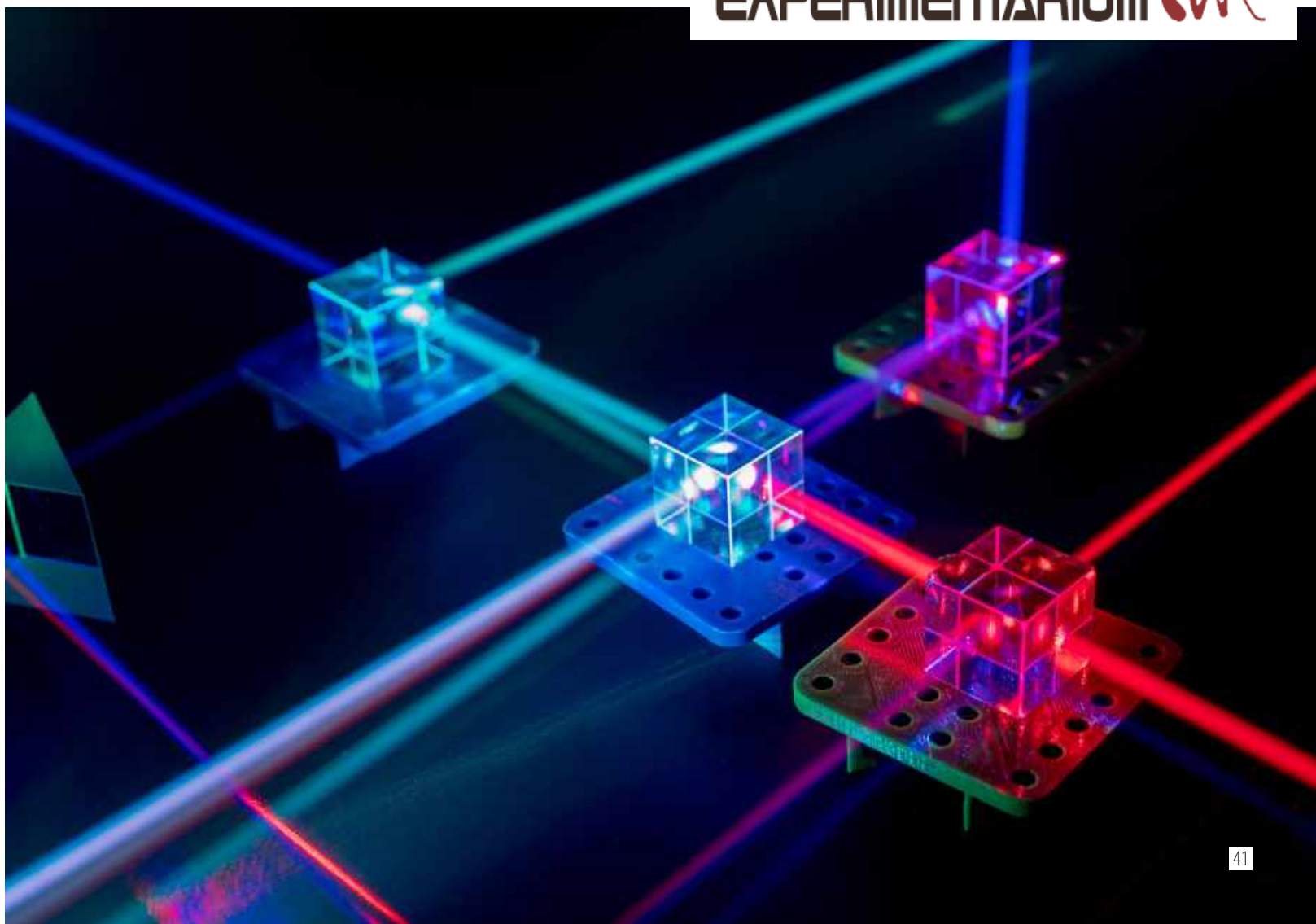
The purpose of ExperimentariumTM is to make science more visible, tangible and accessible through interactive methods that can be synthesized under the principle "experience yourself". The instruments and the devices available for the proposed experiments allow participants to become active explorers, increasing their confidence in their own capacity to understand the functioning of the Universe.

The activity in this centre promotes a culture of experimentation and cooperation, sparks the curiosity, increases the understanding and stimulates new ideas. Through the experiments the participants discover and understand some physics phenomena and their laws.

The ExperimentariumTM centre provides a great environment for socializing. The groups of teenagers have the opportunity to spend some time together sharing their common passion for scientific knowledge. The parents have the possibility to join their children in order to discover physics phenomena and discuss with them what they observe together. The laboratory is part of the continuous and ongoing education process.

The visitors are guided in the world of experiments by a number of tutors who are ready to offer explanations and help, if necessary.

EXPERIMENTARIUM *tm*



ATU

Alliance of Timișoara Universities

The four state universities of higher education in Timișoara (“Victor Babeș” University of Medicine and Pharmacy, Politehnica University Timișoara, West University of Timișoara, and “King Mihai I” University of Life Sciences), work tirelessly for the development of the city and the region.

The Alliance of Timișoara Universities (ATU) was founded in 2020 with the goal of developing and implementing joint projects for the development of the city and Romania’s Western Region.

ATU brings to the community the skills and expertise of the four universities in education, scientific research, innovation, and other areas.

Timișoara University Alliance is an active academic consortium that works on large-scale educational, scientific, and community research projects. It has over 2000 teachers, 500 majors, and over 40 000 students enrolled. It also attracts consistent national and international funding for the university community in Timișoara, with impending applications in the public life of Timișoara, Timis County, and the Banat Region as a whole.

www.timisoarauniversitara.ro



Alliance of Timișoara Universities



TELE / U

TeleU

Teleuniversitatea Timișoara

Teleuniversitatea Timișoara (TeleU) is a public television founded in 1994 by Politehnica University Timișoara.

Since its first broadcast on the 1st of May 1994, TeleU has been offering educational, cultural, academic, sports and economic programs with the exclusive support of the university.

Teleuniversitatea Timișoara exists under the licence TV-C 852/27.11.2018, released by National Audiovisual Council of Romania (Consiliul Național al Audiovizualului). TeleU broadcasts programs on all cable operators (RCS&DDS, UPC/Vodafone, Telekom) 24 hours every day (two hours of TV production and 22 hours videotext). The TV production is transmitted from Monday to Friday in the time intervals 10-11 and 18-19, Saturday and Sunday 14-16.

TeleU aims to promote excellence in education, science, culture, entrepreneurship, business and sports in dedicated news, features, interviews and talk-shows. The main focus of TeleU programs is the academic community of Politehnica University. The TeleU team is composed by television professionals and volunteering students. Many former TeleU reporters, newscasters and anchors are now media professionals.

UPT Creative Campus

The UPT Creative Campus initiative invites students and teachers to cultural-artistic, multidisciplinary projects that promote innovation.

We launched the UPT Creative Campus platform in 2023, the year when Timisoara is the European Capital of Culture and, at the same time, the year when UPT celebrates 100 years since the inauguration of the first building on campus, the Mechanics Pavilion.

The disseminated events, projects, and programs are organized by UPT or its partners and are mostly carried out on the university campus, with the aim of opening the educational space to the public and to new forms of cultural production.

Thus, in 2023 we will consolidate ongoing initiatives and set up new ways for academics, students, and the general public to advance their careers as well as participate in the creation and dissemination of new information.

UPT Creative Campus will host:

The **“Bright Cityscapes”** Innovation and Design Program, developed together with the independent cultural center FABER;

“Spotlight Heritage Timisoara,” a digital participatory culture program developed in collaboration with the National Museum of Banat;

The TECH SUMMIT conference, on “Life around tech: how artificial intelligence, open source solutions, blockchain technology, and innovation have applicability in all areas that impact our existence today”;

The program of the **MV SCI Art Centre** - the only art gallery in a technical university - which stimulates the dialog of students, researchers, and professors from the university with creators from all fields of art;

The **“Cultural Capital”** dialogues, which Cătălin Ștefănescu will perform with ten figures from the fields of culture, science, and technology, including Romanians who have distinguished themselves professionally abroad and made significant contributions to the world cultural heritage;

The Art & Science conference series of the UPT Library, which addresses not only the general public but also students and academics from the ATU Alliance.



campus
creativ

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Tel: +40 256 4031 87 // Email: student-admissions@upt.ro // Web: www.upt.ro

