

42nd Conference of Rectors and Presidents of European Universities of Technology



The university's role to improve the global health and well-being

September 20 – 21, 2024

2024 Conference host: Rector Mihnea Costoiu National University of Science and Technology Politehnica Bucharest

Crp 2024 main topics

- Universities' research strategies for health improvement treatments and the enhancement of wellbeing of the society,
- Universities' innovation in healthcare covering microelectronics, sensors, system integration and healthcare technology assessment.
- All forms of digital health, data and image analytics, optimizing algorithm, artificial intelligence.
- New ways in development of active pharmaceutical ingredients and in production of drugs.
- The new curriculum focused on multi-disciplinary courses related to health and general approaches for health innovation.
- Institutional strategies to promote a culture of health and wellbeing among students and employees,
- Advanced universities' contributions across electrical and biomedical engineering as well as emerging technologies which are influencing healthcare today: communication systems, computer science, sensing technology, etc.
- Contribution of universities to healthcare engineering education & training as well as for healthcare intervention: technologies for disease prevention, diagnosis, treatment and management, technologies for patient care, technologies for allied health specialties and engineering for dental and medical specialties, engineering for pharmacy.



Romania

- ⊙12th largest country in Europe by size
- o6th largest country in the EU by population (19.3 mil.)
- ⊙Official language Romanian romance language
- o4th in EU by the average number of languages learned in upper secondary schools
- ⊙English and French dominant foreign languages spoken in the country
- Fastest growing industry: IT, while Romania has one of the fastest internet infrastructures in the world

Bucharest

- Political, economic and cultural center of Romania
- Largest city in Romania, with 1.8 mil inhabitants
- 4th largest city in EU
- It holds the second largest administrative building in the world – The Parliament Palace and many other impressive historical landmarks







Tradition

The most prestigious technical university in Romania, with over 200 years of history



Research

The most important research center in the region, with outputs towards the private sector



Partner

An international partner to some of the most prestigious and innovative universities in the world

Quality teaching and learning

30,000 students enrolled in BSc, MSc, and PhD studies

2,785 total staff; 1,334 academic staff,370 PhD coordinators

15 faculties, 47 study programs in English, German and French

Bachelor

21 major fields95 distinct specializations4 years duration

Master

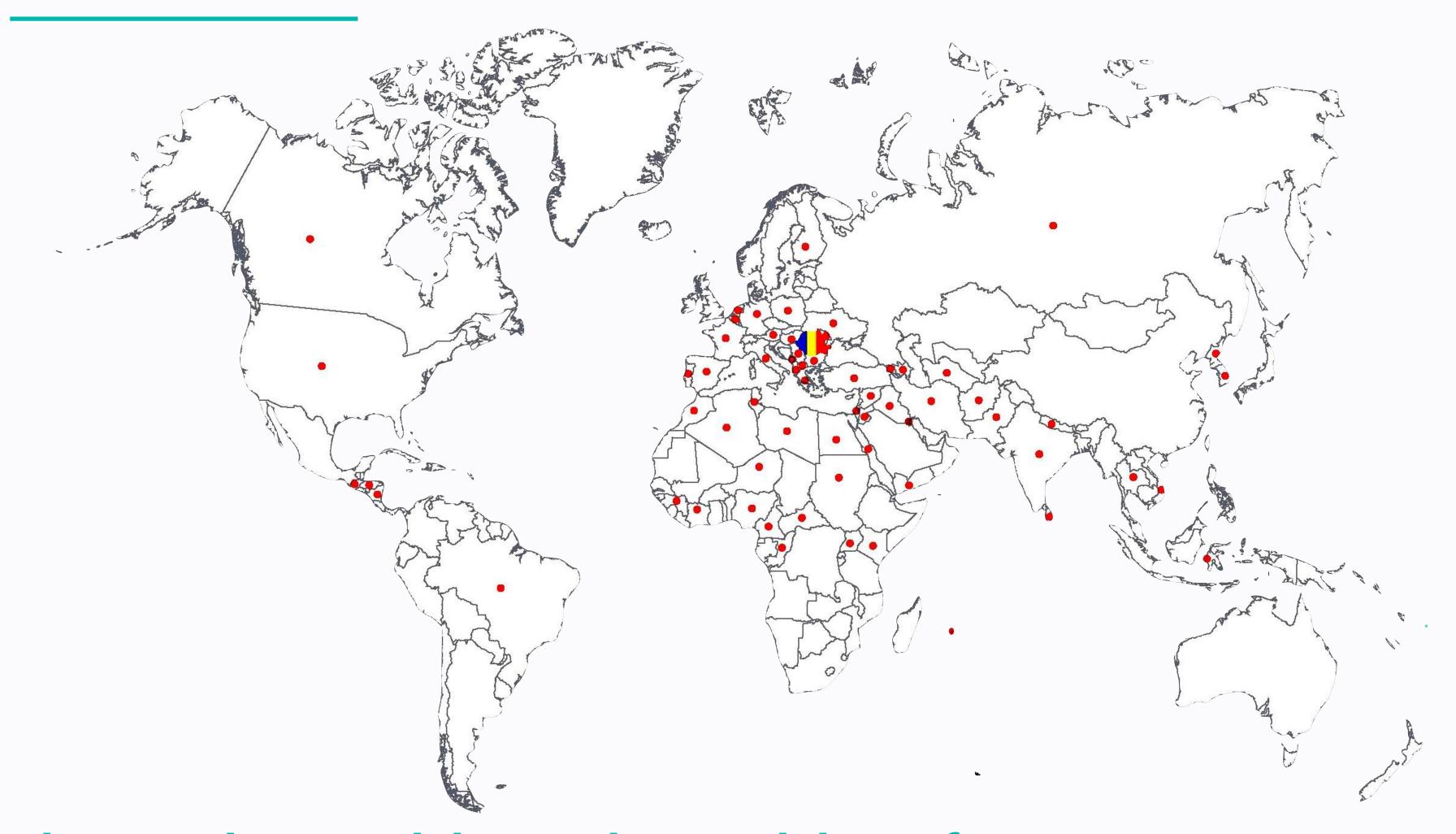
176 specializations2 years duration

PhD

16 fields of Engineering Sciences



Grown locally, spread internationally



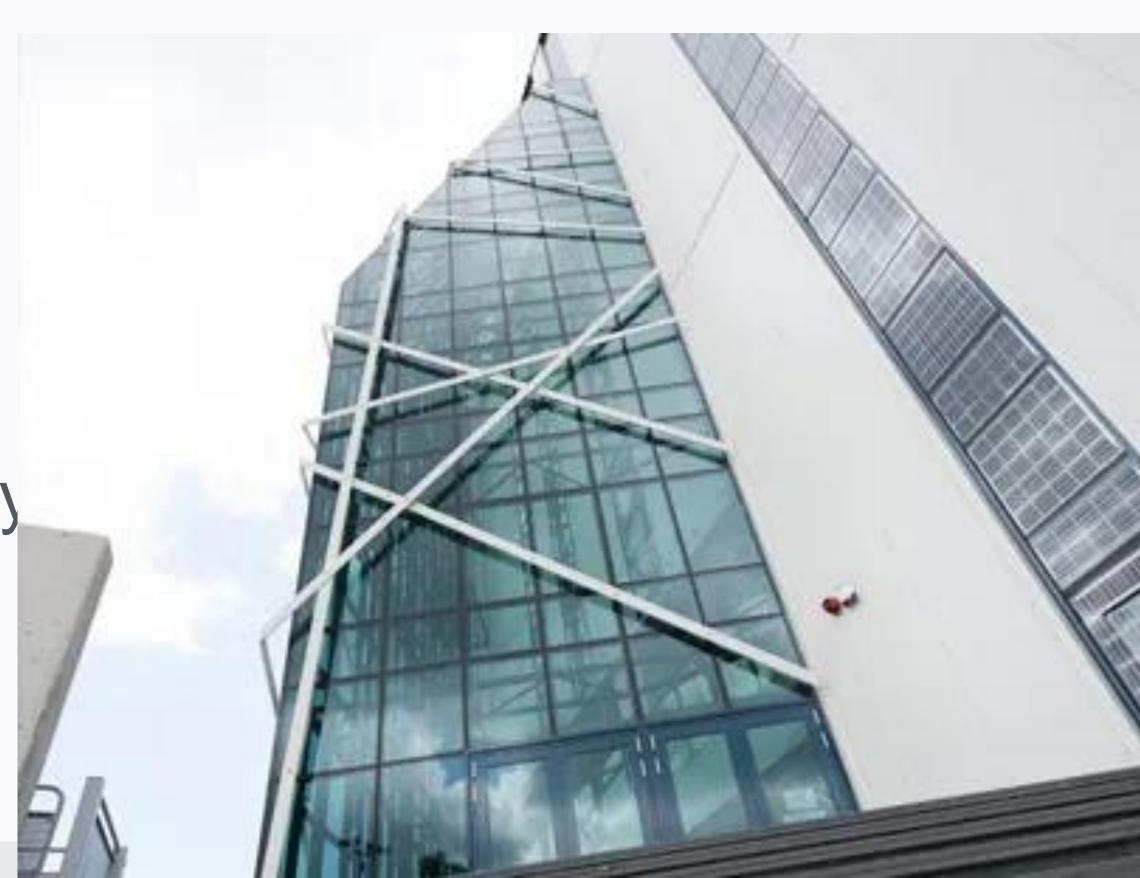
collaborating with universities from over 100 countries



Research at a large scale

Infrastructure

- o 51 research centres
- o 34,000 m2 dedicated to research
- o 70 new state-of-the-art laboratories
- 115 pending patents
- Over 1,000 WOS publications yearly



Two new research facilities (CAMPUS & PRECIS)



- 16.300.000 EUR invested
- 41 state of the art research labs
- Oriented towards private sector services and international cooperation



- 10.937.586 EUR invested
- 28 research labs
- 11 international projects in which PRECIS infrastructure will be involved

Over 1000 partner companies

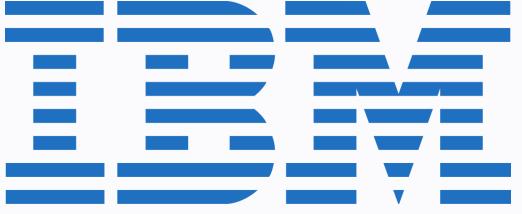
















orange

Honeywell



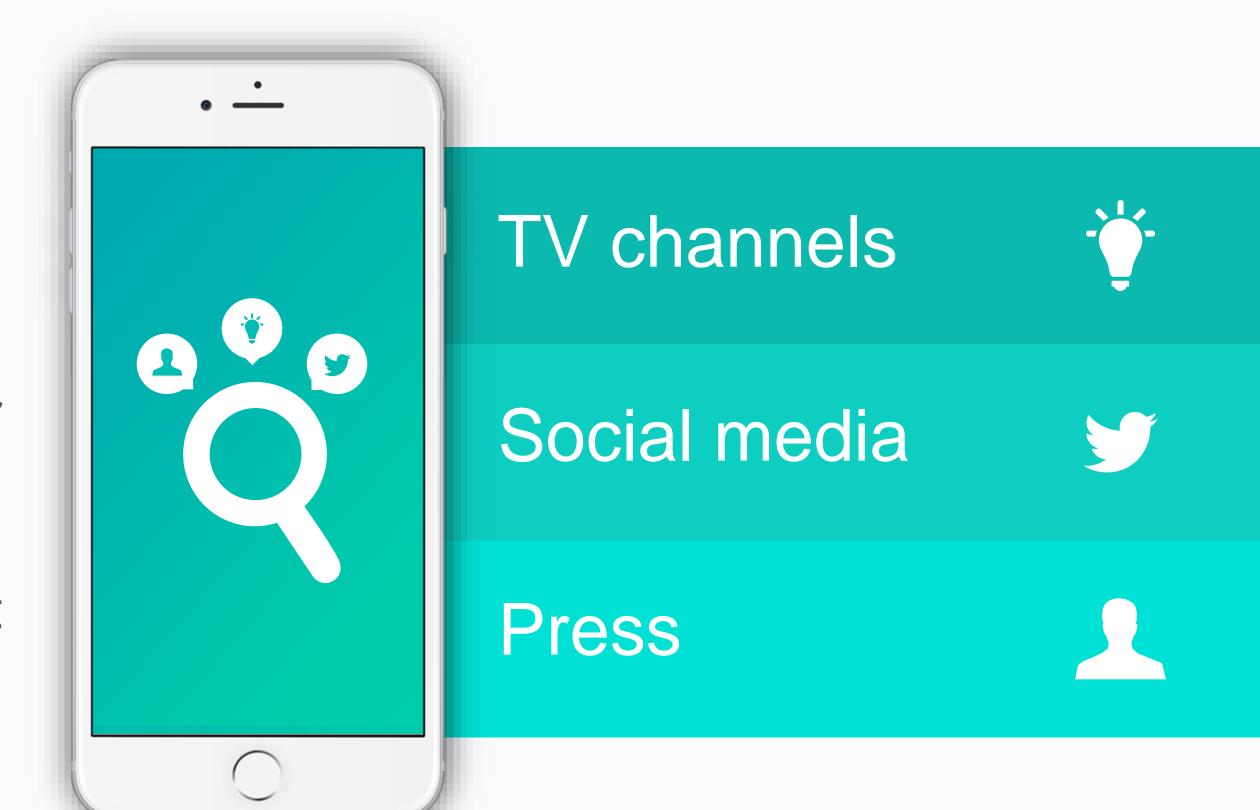


A voice that cannot be ignored

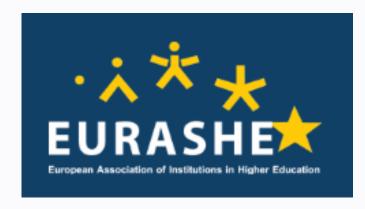
UPB is renowned at the national and regional level. We do more than reach all media outlets. We are a media outlet.

Starting this year, UPB is launching **EURONEWS ROMANIA** - a voice for the European education. Stay tuned!

Important events within UPB will benefit from not just national, but international coverage.



International Associations Membership





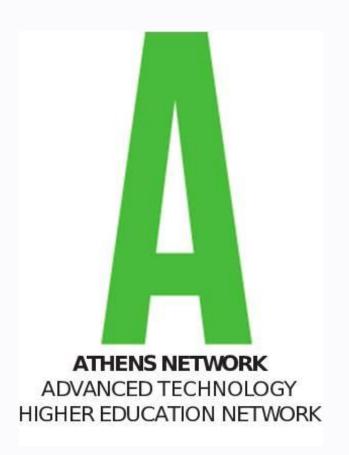




































EELISA European University

UPB is a member of EELISA (European Engineering Learning Innovation and Science Alliance) - the first alliance of Higher Education Institutions from different countries in Europe meant to define and implement a common model of European engineer rooted in society.

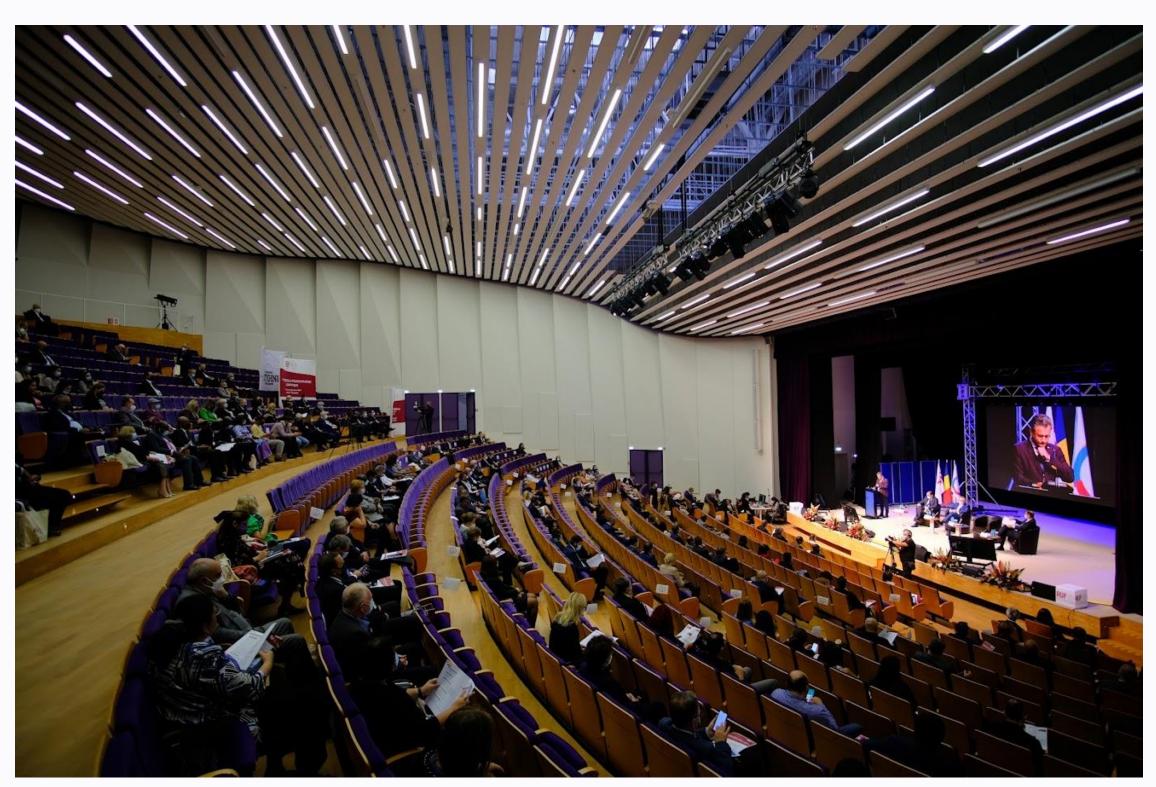
9 European partners and one Associated partner – ENAEE (European Network for Accreditation of Engineering Education)



https://eelisa.eu/

The UPB Event Hub





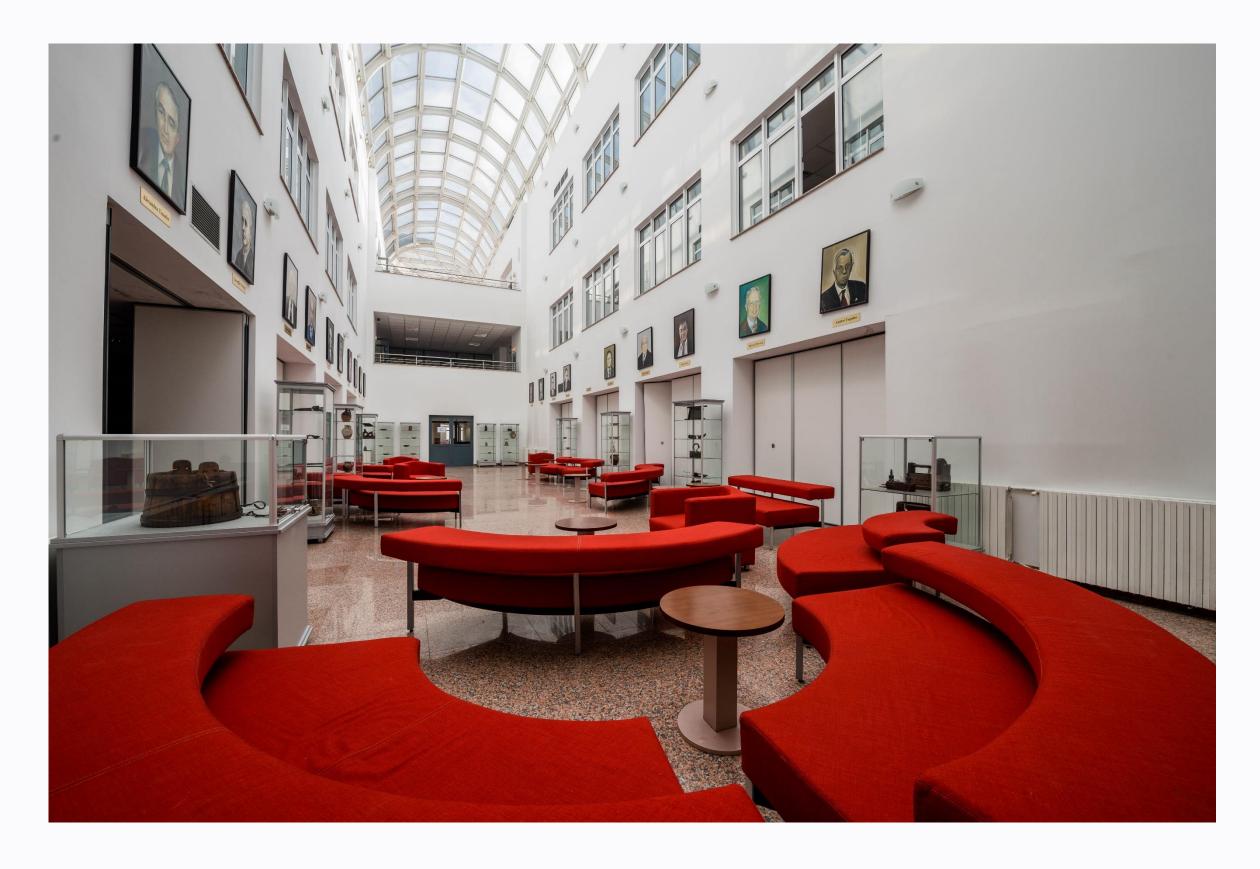
Aula Magna Conference Center – 1200 places

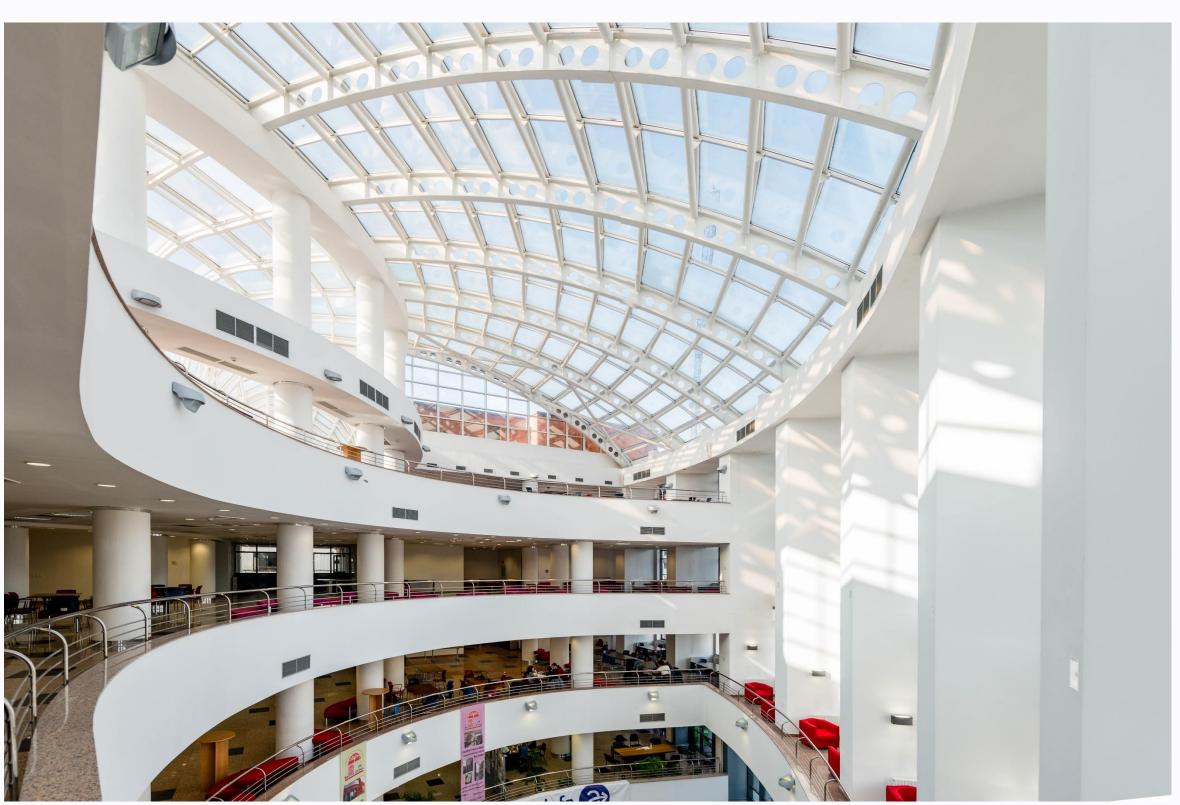
The UPB Event Hub



The Central Library

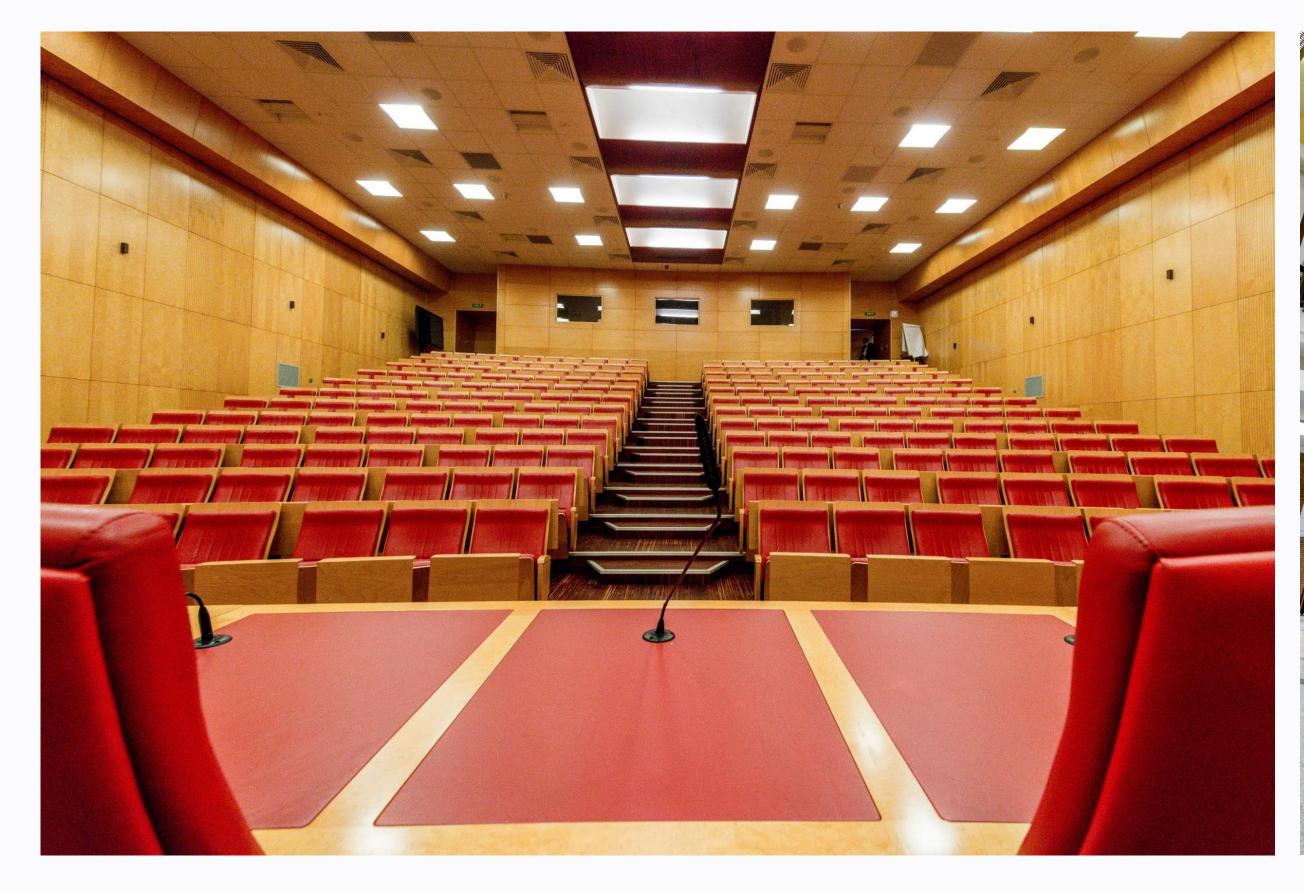
The UPB Event Hub

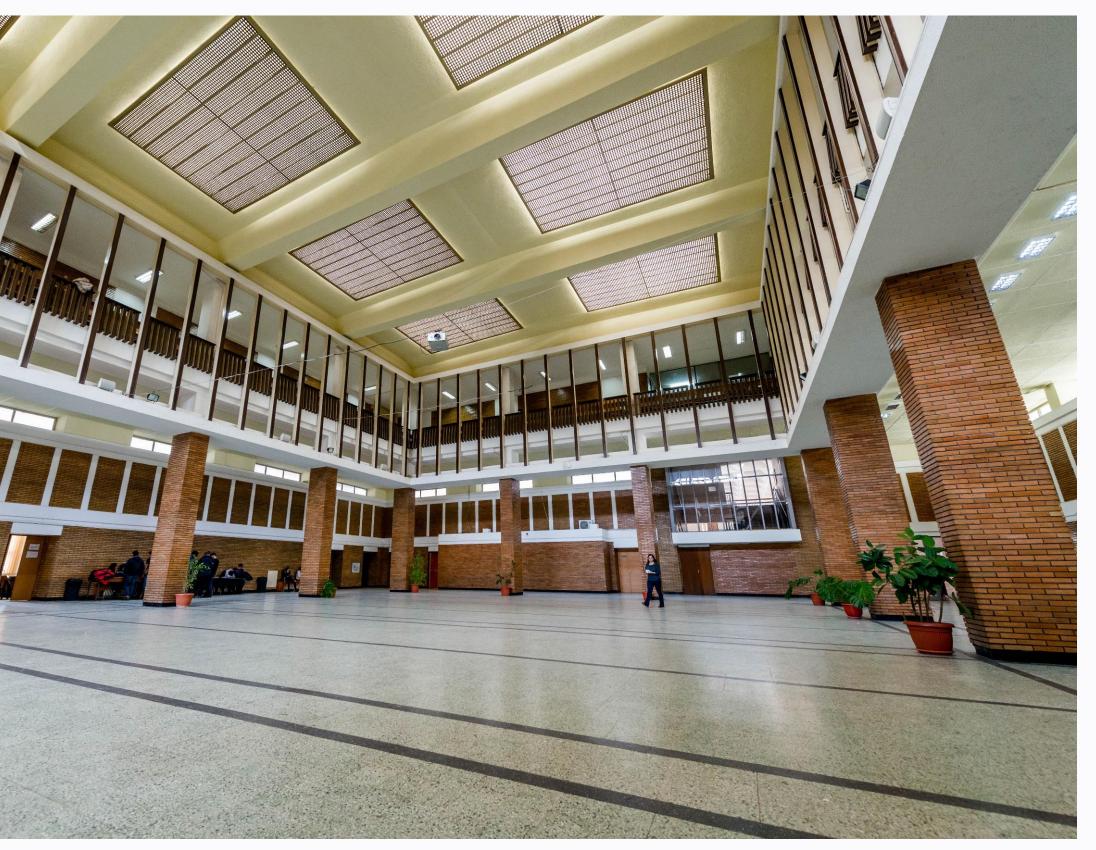




Central Library events halls / conference center

The UPB Event Hub / Conference Center_





Amphitheater

Event halls

