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Distinguished Professor Amir H. Gandomi Receives the Sigma Xi Young Investigator Award

Distinguished Professor Amir H. Gandomi of our university has been honored with the 2025 Young Investigator Award from Sigma Xi, The Scientific Research Honor Society.

The prestigious Sigma Xi society annually recognizes outstanding contributions to scientific and technical research and communication. Prof. Gandomi, who holds a professorship at the Data Science Institute of the University of Technology Sydney, received this award for his pioneering and impactful research that advances “AI for the social good,” applying data-driven solutions in public health, sustainability, and smart cities to enhance safety, resilience, and well being.

Amir H. Gandomi serves as Distinguished Professor at Obuda University, in addition to his role at the University of Technology Sydney. Before joining UTS, he was an Assistant Professor at Stevens Institute of Technology and a distinguished researcher at the BEACON NSF Center at Michigan State University. Professor Gandomi has authored more than 400 peer reviewed journal articles and 15 books, and has amassed over 68,000 citations (h index > 110). His publications have earned several best paper awards, including Elsevier IFAC Best Theory Paper in Engineering Applications of AI between 2020 and 2022. The Web of Science has listed him among Highly Cited Researchers six times, and Elsevier-Stanford rankings in 2023 placed him 24th worldwide in the “AI and Image Processing” sub-field. Based on the Discipline /D Index, he is currently ranked as the 4th leading computer scientist in Australia.

He has received numerous honors for his work, including the 2025 Frederick Palmer Prize (ICE, UK), the 2024 IEEE TCSC Award for Excellence in Scalable Computing (MC), the 2023 Achenbach Medal (Stanford University), the 2022 Walter L. Huber Award—the highest mid career research honor in civil engineering—and the 2021 Discovery Early Career Researcher Award (DECRA) from the Australian Research Council.

A pioneer in “AI for good” applications across healthcare, water and environmental management, and agriculture, Prof. Gandomi serves as associate editor for leading IEEE journals and regularly reviews for major scientific foundations. He is a frequent keynote and invited speaker worldwide, and a strong advocate for responsible and impactful artificial intelligence research.

Diverse Professional Program at INES 2025 Conference in Palermo

Representatives from 17 countries recently participated in the 29th IEEE International Conference on Intelligent Engineering Systems (INES 2025) held in Palermo, underscoring the event's international significance.

On behalf of **Prof. Dr. Levente Kovács**, Rector of Obuda University, **Prof. Dr. László Gulácsi**, Vice-Rector for Research, opened the conference. **Dr. Dániel András Drexler** presented the key statistics of this year's conference. A total of 87 papers were submitted, 70 of which were accepted and published.

The first day featured two distinguished plenary talks. **Prof. Dr. Andrea De Gaetano**, affiliated with the National Research Council – IRIB-CNR and IASI-CNR (Palermo and Rome, Italy), as well as Obuda University (Budapest, Hungary), delivered a lecture titled "PINNs and Sobolev Spaces."

Representing the HECON Research Center, University Research and Innovation Center, **Prof. Dr. Márta Péntek** presented on "Value in Health Technology Innovations."

Throughout the three-day INES 2025 conference, participants engaged in a high-quality professional program characterized by international collaborations and valuable scientific exchanges. The presented publications, thanks to a rigorous review process, are eligible for inclusion in the IEEE Xplore database, further contributing to the conference's scientific value.

New Uzbek–Hungarian Mobility Cooperation Underway

A delegation from the Uzbek Ministry of Innovation and Higher Education visited our university to prepare for the launch of a new mobility programme. The purpose of the discussions was to establish a student, faculty–student, and research exchange programme to be hosted at Obuda University.

The delegation included Deputy Minister **Shahrukh Daliev** and **Rasulbek Otaxhanov**, Coordinator for International Higher Education Relations. Representing Obuda University were Prof. **Dr. Zoltán Rajnai**, General Vice-Rector; Prof. **Dr. András Molnár**, Director of IT; and **Antal Németh**, Rector's Commissioner. The Hungarian side presented a professional portfolio outlining study options available to Uzbek applicants.

Obuda University plans to welcome a total of 50 participants, including BSc, MSc, and PhD students, as well as academic staff. The program will feature short-term stays (3–4 weeks) and medium- to long-term mobility (six months to one year). Financing was reviewed in preliminary talks, and a draft Letter of Intent is being prepared detailing mutual financial expectations and funding mechanisms.

This strategically important meeting reaffirms Obuda University's commitment to international cooperation. The launch of this mobility programme will deepen intercultural ties and scientific collaboration between Hungary and Uzbekistan. The next phase involves carrying out administrative preparations, finalising the programme's structure, and concluding financial arrangements.

Hungarian Roots for Kenya's Future

– Obuda University Enters Partnership with Tangaza University

Marking a significant milestone in partnership, education, and faith development, the newly constructed *St. Elizabeth of Hungary Hall* was officially inaugurated at Tangaza University in Nairobi. The ceremony, held under the title "*Bricks of Blessing and Bonds of Brotherhood: Hungary Opens St. Elizabeth of Hungary Hall at Tangaza University*", highlighted Hungary's commitment to global solidarity. Obuda University was the only European higher education institution officially represented at this historic event.

The new facility was realized through the generous support of the **Hungary Helps Program**, with the active involvement of the **Embassy of Hungary in Kenya**, symbolizing Hungary's strong commitment to strengthening Christian institutions and promoting global access to quality education.

Hungary was represented at the event by **Dr. Tristan Azbej**, State Secretary for the Aid of Persecuted Christians and Head of the Hungary Helps Program. His presence underscored Hungary's mission to support communities through education, solidarity, and humanitarian engagement. He was accompanied by **Dr. Zsolt Mészáros**, Ambassador of Hungary to Kenya.

It was a special honour that Obuda University was not only the sole Hungarian, but also the only European university to take part officially in the ceremony. The institution was represented by Györgyi de Nemesker, who formally initiated the preparation of a Memorandum of Understanding (MoU) with Tangaza University, laying the foundation for a forward-looking, strategic academic partnership.

Also present at the event was Obuda University's strategic partner in Kenya, ACPM IT Consulting Plc., represented by CEO Márton Miklós and the university's Nairobi Office Director, Brian Goga. Their presence further reinforced the growing significance of Hungarian-Kenyan institutional cooperation in the region.

The planned partnership aims to establish student and faculty mobility programmes, joint curriculum development, and dual degree programmes, all within the framework of the Hungarian government's new internationalisation initiative, the Pannonia Program. This initiative seeks to promote global academic exchange and build institutional capacities.

Through the forthcoming agreement, Obuda University will become Tangaza University's first European academic partner, opening new horizons in value-based cooperation, academic excellence, and intercultural dialogue.

Named after St. Elizabeth of Hungary, one of the country's most revered saints, the newly inaugurated hall is more than just an educational facility – it is a symbol of compassion, connection, and shared vision. Within its newly built walls, a new chapter begins in the history of international higher education collaboration.

This visionary initiative faithfully reflects the mission of Obuda University: to build global partnerships that empower individuals, foster institutional collaboration, and contribute to a more inclusive and interconnected world.

From Castles to Industrial Heritage

– the Ybl Faculty Hosted the ICOMOS Summer School

The ICOMOS Summer School attracted wide international interest when it was held in Hungary from 6 to 10 July 2025, within the framework of the 55th Román András Summer University on Monument Protection at Obuda University's Ybl Miklós Faculty of Architecture. Students and faculty from the Ybl Faculty participated actively in the organisation of the event. On the third day of this five-day English-language programme, study excursions took place in Hollókő and Ózd, followed on the fourth day by a series of lectures organised locally.

The Summer School's central theme was the monument and its environment. In line with ICOMOS's current triennial scientific programme on social conflicts, the topic was examined through the status and adaptive reuse of three characteristic groups of built heritage in Hungary: manor houses (castles), vernacular architecture, and industrial heritage.

Participants were welcomed by the Faculty Dean, Prof. Dr Anthony John Gall, PhD. Opening remarks were given by Dr habil. Viktória Sugár, Vice-Rector for Sustainability and Major Developments at Obuda University. The first lecture in the session led by Prof. Dr Sonja Ifko was delivered by Riin Alatalu, Vice-President of ICOMOS, lecturer in Cultural Heritage and Conservation at the Estonian Academy of Arts, and coordinator of UNESCO heritage studies – addressing the questions of from whom, why, and how we protect monuments.

Following this, Dr Zsolt Virág, Managing Director of the Hungarian Castle Programme Nonprofit Ltd, spoke about the restoration of castles and manor houses in Hungary between 2005 and 2025. Insights were shared by Erika Erdélyi

(architect) and Dr László Diószegi, Kossuth Prize-winning historian-choreographer and director of the Teleki László Foundation, about their experience with the Vernacular Architecture Programme. Zoltán Erő, Chief Architect of Budapest, discussed 20th-century heritage protection in the Hungarian capital. After a break, architect Gergely Nagy, President of the Hungarian National Committee of ICOMOS, presented the work of the Built Heritage College of the National Cultural Fund. The session continued with architect Miklós Rácz, who spoke about mapping the "non-governmental heritage protection sector" in Central and Eastern Europe between November 2023 and March 2025. The morning programme concluded with a professional lecture by architect engineer Emília Zsuzsanna Kiss on the interior reconstruction of Buda Castle. The success of the event was enhanced by contributions from Ybl Faculty staff and students, including an exhibition showcasing the faculty's student heritage-protection groups: UNI.CO.RE., I'5 (Industrial Heritage Workshop), NTDK (Vernacular Architecture Scientific Student Circle), and FEÖD (Foerk Ernő Heritage Student Circle).

During the afternoon workshop, the Industrial Heritage Workshop (I'5) students — Rácz Zsombor, Nagy Tímea, Tóth Réka, Görgényi Veronika, Juhász Emese Katinka (doctoral student), and Péterffy Gergely — contributed in large numbers with professional results, mentored by Prof. Dr Györgyi Csontos and Dr Domonkos Gergely Nagy, PhD.

On the fifth and final day, the camp concluded with presentation of workshop results, a diploma ceremony, and a closing reception.

The Summer School was organised by the ICOMOS Hungarian National Committee, in collaboration with the ICOMOS University Forum, the Austrian and Slovenian National Committees of ICOMOS, Széchenyi István University, Obuda University Ybl Miklós Faculty of Architecture, the Budapest University of Technology and Economics Faculty of Architecture, the University of Tokaj, the University of Pécs Faculty of Engineering and Information Technology, and the Hungarian Renaissance Foundation.



Obuda University and CUIT Launch Software Engineering Dual Degree Initiative

Obuda University and Chengdu University of Information Technology (CUIT) have signed a cooperation agreement aimed at fostering long term institutional collaboration and enhancing international academic and research opportunities.

Founded in 1951, CUIT is one of China's leading specialized universities, with strong academic programmes in information technology, engineering, and meteorology. With over 25,000 students, the university plays a significant role in interdisciplinary research, particularly in atmospheric sciences and IT. Its broad international partnerships, advanced research infrastructure, and nationally accredited programmes contribute to its strong academic reputation both in China and internationally.

The leadership delegation from CUIT was welcomed at Obuda University by **Prof. Dr. Levente Kovács**, Rector of Obuda University, and **Prof. Dr. Péter Galambos**, Vice Rector for Innovation. The Chinese delegation was led by **Mr. Huoming Shen**, CPC Party Secretary of CUIT. During the visit, representatives presented the university's mission, academic profile, and international strategy. Discussions focused on launching a dual-degree programme in software engineering and exploring the establishment of a joint college to further strengthen institutional cooperation.

The agreement outlines future collaboration in joint education and research activities, student exchange programmes, faculty and researcher mobility, and internship opportunities for both undergraduate and PhD students. Additional areas of cooperation will be identified over time, based on shared interests and strategic alignment.

As part of the programme, the delegation visited the Faculty of Informatics (NIK), where they were received by **Dr. habil. György Eigner**, Dean, and **Dr. Gábor Kertész**, Vice Dean, who presented the faculty's academic portfolio and research infrastructure.



Robotics and Artificial Intelligence

– Our University’s Research Recognized in Japan

As part of a mobility program, staff and students from the Antal Bejczy iRobottechnical Center traveled to Tokyo, where, during institutional visits, they gained insights into how artificial intelligence and robotics are being integrated in the Far East according to the latest research trends at our university.

The nine member group participated in the professional program, including visits to Tokyo Metropolitan University and the “International Workshop on Community centric Systems and Robots 2025 (IW CCSR 2025)” conference.

During the plenary session, Prof. Dr. Peter Galambos presented how robotics and generative AI are interconnected, using one of Obuda University’s research projects as an example. From the engaging presentations by Japanese and Hungarian young researchers, our delegation learned how the most advanced research trends combine AI and robotics—followed by lively technical discussions during the breaks.

The IW CCSR 2025 conference continued at Tokyo Metropolitan University. In his presentation, Dr. Hirooki Shibata, a young researcher at the university, introduced mathematical models of a new type of neural network whose architecture accelerates training processes and enables efficient execution on specific hardware platforms. Tadamitsu Matsuda from Juntendo University demonstrated the benefits of integrating multiple medical rehabilitation methods into engineering

systems. His presentation particularly highlighted interdisciplinary collaboration opportunities among the universities present.

Presentations by young researchers from Obuda University and Tokyo Metropolitan University offered exciting insights into cutting edge research directions, with special attention to how robotics and AI can be combined to solve complex problems in both everyday life and various industrial domains.

Ryota Yamada of OMRON Corporation showcased how new generation AI solutions and 5G technologies can enable faster data acquisition and processing, opening new possibilities to enhance the efficiency of industrial processes.

During the tour of Tokyo Metropolitan University’s laboratories, our delegation had the opportunity to learn about the work of various research groups. At the Kubota Lab, they gained insight into the “Intelligent Robotics Laboratory” and its mobile “Living Lab” system, offering cognitive and motion analysis technologies applicable in hospitals. In the Wada Lab, they observed several service robots in operation, including automated

shelf restocking and cleaning systems, as well as therapeutic robots developed for the elderly. The Shimokawara Lab introduced projects integrating intelligent systems. At the Takesue Lab, they learned about robotic solutions for aerial and underwater mobility. In the TLL and RoomJ facilities, various interdisciplinary research directions were showcased. On the Minami Osawa campus, they also learned about new projects in the Yamamoto and Kubota Labs.

At the Toyosu campus of Shibaura Institute of Technology, our university delegation was welcomed by students of Takashi Yoshimi, several of whom had visited Obuda University last year. During the meeting, the Japanese students presented their current research results, including wick pattern printing techniques and robot control systems. The group toured the modern Toyosu campus facilities, visiting several labs where they observed various mobile robot platform solutions—some specifically developed for human-robot interaction—and robotic arm systems capable of efficiently handling textiles. Following this, members of the Obuda University team presented their own research topics.

The colleagues at the Ybl Miklós Faculty of Architecture bring their valuable expertise to Egypt

Delving into the history of Coptic Byzantine and medieval Islamic architecture can be both exciting and mysterious. During a study trip, a delegation from our Ybl Miklós Faculty of Architecture at Obuda University visited Benha University in Egypt. In professional meetings, they discussed internationally expanding mobility programmes focused on these areas and explored future mutually beneficial cooperation.

The trip included two staff members from our Institute of Architecture – Associate Professor Dr Eszter Horváth Kálmán (geotechnical engineer) and Zoltán Horváth (Egyptologist) – accompanied by six civil and architectural engineering students. During productive discussions, both sides agreed to promote teacher and student mobility in fields such as energy systems, infrastructure planning and construction, sustainable development of historic urban quarters, and the study of CopticByzantine and medieval Islamic architectural history.

Project based scientific cooperation will prioritise heritage conservation, especially documentation, protection and management of endangered historical sites. In this context, our colleagues are set to contribute with expertise in archaeology, architectural visualisation, geotechnical science and structural engineering to preserve pharaonic-era built heritage and alleviate increasing tourist pressures.

The trip also provided our students with the opportunity – under the professional guidance of Zoltán Horváth – to deepen their knowledge of ancient Egyptian architecture and site conservation through visits to archaeological monuments at Giza, Saqqara and El Lahun on the edge of the Fayum depression.

Benha University, founded in 1976 and now nearly 50 years old, has fifteen faculties and a broad international network. It is one of Egypt's most dynamically developing universities and plays a central role in the region's scientific, educational and economic development. The university includes around 15 faculties covering engineering, agricultural sciences, humanities, and medical sciences. There are over 100,000 undergraduate and about 26,000 postgraduate students taught by approximately 5,000 academic staff. The university also comprises multiple campuses, three teaching hospitals, and 146 academic departments. It is internationally recognised, particularly for its engineering and life science programmes.

Our PhD Student from Hungary Selected as the Sole Hungarian Participant in the Space Studies Program

Sándor Burian, PhD student and researcher at the OE Space Lab, is representing both our university and Hungary as the sole Hungarian participant in the prestigious Space Studies Program (SSP25), organized by the International Space University (ISU), taking place in South Korea.

The 37th edition of the nearly two-month-long program (30 June – 25 August 2025) is hosted in Seoul by the Korean Federation of Science and Technology Societies (KOFST) and Hanyang University. As space research is gaining increasing prominence in the scientific world, it is a great honor and recognition for our university that he is the only Hungarian participant in this esteemed international program.

During the training, our young researcher from Space Lab will attend world-class lectures and workshops. The event is supported by prominent institutions such as the Korea Aerospace Research Institute (KARI), the Korea Institute of Science and Technology (KIST), the Electronics and Telecommunications Research Institute (ETRI), the National Research Council of Science and Technology (NST), the Korean Society for Aeronautical and Space Sciences (KSAS), the Korean Society for Aeronautical System Engineering (KOSASE), and the Korean Space Science Society (KSSS).

In recent years, South Korea has made remarkable advancements in its space capabilities. Recent developments such as the Nuri launch vehicle, the Danuri lunar mission, and the establishment of the Korea AeroSpace Administration (KASA) clearly demonstrate the country's successful ambitions in space exploration.



Hungarian-Turkish Scientific Collaboration at Rejtő Sándor Faculty of Light Industry and Environmental Engineering of Obuda University

Obuda University's Rejtő Sándor Faculty of Light Industry and Environmental Engineering recently hosted a delegation from Istanbul's Marmara University as part of the Hungarian-Turkish Science and Innovation Year. The visit aimed to expand joint research, student and faculty exchange programs, and deepen knowledge sharing between the two institutions.

The Turkish delegation held discussions with faculty leaders, including Dean Dr. habil. László Koltai, and toured the Faculty's modern laboratories, showing great interest in innovative technologies and sustainable solutions. They also delivered professional presentations, sharing their latest research findings.

This visit reinforced the scientific ties between the two countries, laying the groundwork for future shared successes in research, education, and innovation.

<https://eng.rkk.uni-obuda.hu/new-event-in-the-hungarian-turkish-science-and-innovation-year-marmara-university-delegation-visits-rejto-faculty/>



Graduation in Székelyudvarhely

In a formal ceremony, students from the Rejtő Sándor Faculty of Light Industry and Environmental Engineering in Székelyudvarhely received their light industry engineering diplomas, a significant boost for the city and its local industry.

Among the prominent attendees were Dr. Ferenc Ilyés, Director of the Székelyudvarhely University Center; Jenő Szász, President of the National Strategy Research Institute; Katalin Szili, Chief Advisor to the Hungarian Prime Minister; and István Szakács-Paál, Mayor of Székelyudvarhely. In their speeches, the high-ranking guests emphasized the importance of national cohesion and higher education in the Carpathian Basin.

Dr. habil. László Koltai, Dean of the Rejtő Sándor Faculty, presented the diplomas and highlighted the graduates' crucial role in the region's economic development, stressing the importance of their knowledge for modernizing local industry.

The presence of Dr. Gabriella Oroszlány and Melinda György underscored the commitment to cross-border Hungarian higher education. Speeches at the event celebrated education, knowledge, and innovation, congratulating graduates on their success and their potential to contribute to community development.

This graduation marks not only a successful academic year but also a new chapter for Transylvania and Székely Land, strengthening Székelyudvarhely's role in regional higher education and economic development.



<https://eng.rkk.uni-obuda.hu/formal-ceremony-marks-graduation-of-light-industry-engineers-in-szekelyudvarhely/>



Interfaculty Collaboration in Practice – The Visit of Bánki Donát Faculty of Mechanical and Safety Engineering to Alba Regia Faculty

In the spirit of interfaculty collaboration within Obuda University, in July 2025, colleagues from Bánki Donát Faculty of Mechanical and Safety Engineering paid a professional visit to Alba Regia Faculty in Székesfehérvár.

During the visit, participants engaged in inspiring professional dialogue, with a strong focus on the exchange of best practices. Discussions primarily revolved around the organization of professional internships, as well as effective solutions for faculty operations and administrative procedures. The open and constructive atmosphere allowed both faculties to gain valuable insights into each other's internal processes and experiences.

This meeting served as an excellent example of how the various faculties of Obuda University can support one another and grow together through meaningful

cooperation and mutual learning. Strengthening internal networks and sharing institutional knowledge plays a key role in improving the overall quality of education and student experience across the university.

We extend our sincere thanks to our colleagues from Bánki Donát Faculty of Mechanical and Safety Engineering for their visit and for the valuable perspectives they shared. We are confident that this fruitful collaboration will continue in the future, contributing to the development of an even stronger and more cohesive academic community within Obuda University.



Visit to TIIAME University in Uzbekistan

Dr. Péter Udvardy, Associate Professor, and Dr. Bertalan Beszédes, Assistant Professor, represented our university during an academic visit to TIIAME – the Tashkent Institute of Irrigation and Agricultural Mechanization Engineers – in Uzbekistan, as part of the Erasmus+ mobility program.

Throughout their stay, the delegation engaged in a series of productive meetings and discussions with academic and administrative staff from TIIAME University. The conversations primarily focused on the development of existing partnerships and the exploration of new avenues for cooperation. A key topic was the ongoing collaboration in the field of water management and sustainability, which remains a strategic priority for both institutions given the global environmental challenges.

Moreover, both parties expressed a strong mutual interest in expanding joint efforts to include additional branches of engineering and technology. This may involve co-authored scientific publications, joint research grant applications, and the possible organization of international workshops or seminars aimed at knowledge exchange and capacity building.

Since this visit was a continuation of previously initiated academic cooperation, it significantly contributed to deepening international scientific ties and building trust between the institutions. The outcomes of the meetings are expected to serve as a solid foundation for the successful execution of future collaborative research projects and long-term academic cooperation.





Strengthening Cooperation with Harman

At a joint press conference, Harman Becker Kft. and the Alba Regia Faculty of Obuda University officially announced the strengthening of their current cooperation.

The event was attended by Attila Mészáros, Deputy Mayor of the City of Székesfehérvár; Dr. habil. Viktória Sugár, Vice-Rector for Sustainability and Priority Developments; Csaba Purgel, Managing Director of Harman Becker Kft.; Tibor Németh, Head of Education and Manager responsible for academic relations at Harman Becker Kft.; Dr. Erdogan Hueseyin, Director of Engineering at Harman Germany; and Prof. Dr. György Györök, Dean of the Alba Regia Faculty.

A declaration of intent was signed by Dr. habil. Viktória Sugár and Csaba Purgel, outlining several development initiatives and collaborative events to be implemented in the near future:

Harman intends to further increase the involvement of its senior engineers and educators in the university's educational activities through the Department of Industrial Engineering. As a result, students of Obuda University will have the opportunity to learn about state-of-the-art manufacturing technologies used at the company, directly within an industrial setting, aligned with jointly agreed course content.

Harman Becker Kft. also expressed its intention to establish a dedicated **HARMAN laboratory** on the premises of the Alba Regia Faculty (8000 Székesfehérvár, Budai Street 45). This lab will provide access to cutting-edge technologies and innovations in priority areas for both the university and the company, including developments such as **digital twin solutions**.

During the press conference, representatives of Harman Becker Kft., Obuda University, and the Municipality of Székesfehérvár jointly announced the continuation of the **Harman Hackathon – Junior Engineer Camp**, an idea and prototype development competition launched in 2022. The event will return for its **fourth edition in 2025**, with all parties reaffirming their support and active participation in organizing it.

The event concluded with a Q&A session, during which each representative expressed gratitude for the fruitful cooperation so far and shared their optimism that these joint efforts will contribute significantly to the development of the local community and the city of Székesfehérvár.



Graduation Ceremony



Our colleagues received high-ranking state decorations on the occasion of the national holiday commemorating the foundation of the Hungarian state

In recognition of his exemplary and dedicated work, Dr. László Kutor, electrical engineer, psychologist, and honorary professor of Obuda University, was awarded the Officer's Cross of the Order of Merit of Hungary.

For her outstanding professional achievements, Dr. Erzsébet Ancza, certified mechanical engineer, former Vice Dean for Education of the Donát Bánki Faculty of Mechanical and Safety Engineering at Obuda University, Associate Professor, received the Knight's Cross of the Order of Merit of Hungary (Civil Division).

Dr. habil. Mónika Pogátsnik, chemical engineer, economist specialized in marketing, engineering teacher, Vice Dean of the Alba Regia Faculty of Obuda University, Director of the Institute of Engineering, Associate Professor, was also honored with the Knight's Cross of the Order of Merit of Hungary (Civil Division).

Prof. Dr. Zoltán Rajnai, Hungary's National Cyber Coordinator, member of the Scientific Council of the Interministerial Committee for Disaster Management Coordination, Vice Rector of Obuda University, University Professor, likewise received the Knight's Cross of the Order of Merit of Hungary (Civil Division).

The awards were presented at the Pesti Vigadó by Balázs Hankó, Minister of Culture and Innovation, and Veronika Varga-Bajusz, State Secretary for Higher Education, Vocational and Adult Education, and Youth Affairs. We warmly congratulate our awardees and wish them continued success in their future work!



<https://bgk.uni-obuda.hu/en/our-colleagues-received-high-ranking-state-decorations-on-the-occasion-of-the-national-holiday-commemorating-the-foundation-of-the-hungarian-state/>



Graduation Ceremony for graduates of specialized continuing education programs Summer 2025

On July 25, 2025, Óbuda University's Bánki Faculty held its second summer graduation ceremony, where students who completed specialized continuing education courses at the Adult Education Center received their diplomas in a festive setting. A total of 207 students graduated from 13 courses this semester, 64 of whom received honors degrees.

At the event held at the university's Frangepán Street campus, the university's leadership was represented by Prof. Dr. Zoltán Rajnai, Vice Rector General and former Dean of the Faculty. The members of the presidium were: Prof. Dr. Tünde Kovács, Vice Dean of Education, Dr. Róza Számadó, Head of the Adult Education Center, Prof. Dr. Róbert Szabolcsi, former Head of Aircraft Operator Training, Prof. Dr. János Besenyő (Humanitarian Operations Manager Training), Dr. habil Gyula Szabó (occupational safety training), Dr. habil Norbert Daruka (explosives training), Dr. Erika Jókai (rehabilitation environment design training), Dr. habil Barbara Júlia Elek (EHS training), Dr. habil Ágota Horváthné Drégelyi-Kiss (metrolology training), Georgina Nóna Tóth (quality assurance training), Gábor

Misinszky (PLC training) and Péter Hervay (vintage vehicle restoration training).

The moderator of the event, Enikő Kovácsné Füredi, introduced the members of the presidency and then invited Prof. Dr. Zoltán Rajnai, Vice-Rector General, to give a welcoming speech. After the presentation of the diplomas, Dr. Róza Számadó, Head of the FKK, gave the closing speech.

We would like to take this opportunity to congratulate our graduates! We wish them all continued success!

We would like to thank the Adult Education Center, the Study Office, the Faculty, and the other staff members of the University for their help in organizing and conducting the graduation ceremony.



<https://bgk.uni-obuda.hu/diplomaatado-unnepeseg-a-szakiranyu-tovabbkepzeseken-vegzettek-szamara-2025-nyar/>



We Visited Our Formula Student Team in Croatia

On Friday, August 15, 2025, the fifth day of the Alpe Adria Formula Student competition, the leadership of the University and the Bánki Faculty visited the OUR Team in Croatia.

After their very successful performance in Austria, our students didn't have much time to rest, as the Alpe Adria started shortly after the previous competition. The Croatian environment was not unfamiliar to our team, since they had already participated in the event last year.

Rector Prof. Dr. Levente Kovács arrived at the track on Friday after the day's technical inspection. Together with Vice-Rector Prof. Dr. Zoltán Rajnai and the leadership of the Bánki Faculty, he visited the team's pit, greeted the team members, wished them continued success for the remaining events, and toured the circuit. During the tour, the Rector also stopped by to greet the team from Timișoara.

<https://bgk.uni-obuda.hu/en/we-visited-our-formula-student-team-in-croatia/>





Bánki Welcome Festival – The Rector also welcomed the new students

Yesterday, our newly enrolled mechanical engineering students took part in an information session organized by Bánki JÓK, followed by training sessions. Today, we welcomed our cybersecurity, mechatronics engineering, and safety engineering students to the Frangepán Street campus for the plenary program.

The event was attended by Prof. Dr. Levente Kovács, Rector of the University, and Prof. Dr. Zoltán Rajnai, Vice-Rector, as well as Dr. habil Tibor Farkas, Dean, Prof. Dr. Tünde Kovács, Vice-Dean for Education, Dr. Richárd Horváth, Vice-Dean for Research, and Andrea Barta, Dean's Office Manager, who welcomed the new students to the Bánki family and wished them useful and enjoyable university years.

The aim of the Bánki Welfare Center (Bánki JÓK) is to make university years even more colorful and

enjoyable by offering a supportive community, unforgettable experiences, and valuable programs. Special attention is paid to smooth, informative, and community-building programs during the first days and weeks of university. During registration week, students can participate in training (depending on their curriculum), which is a great opportunity to get to know university life and their future classmates better.



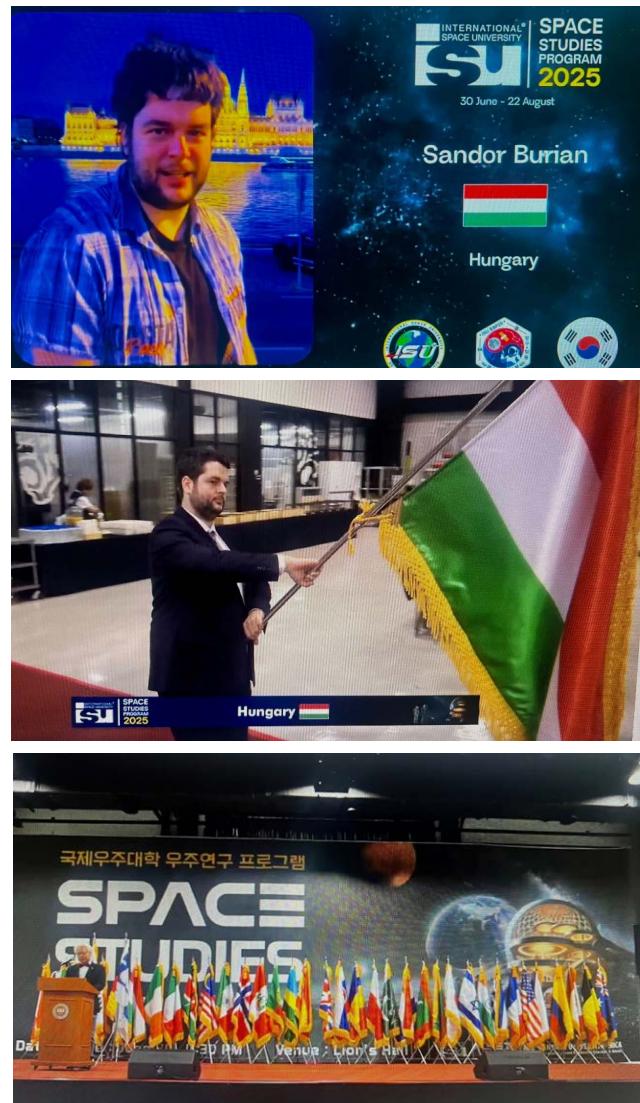
Our PhD Student Is the Only Participant from Hungary in the Space Studies Program

Sándor Burian, our PhD student and a researcher at OE Space Lab, is representing not only our university but also Hungary as the sole Hungarian participant in the Space Studies Program (SSP25) organized by the International Space University (ISU) in South Korea.

The nearly two-month-long 37th Space Studies Program (June 30 – August 25, 2025) is hosted in Seoul by the **Korea Federation of Science and Technology Societies (KOFST)** and **Hanyang University**. As space research plays an increasingly important role in scientific advancement today, it is a great honor and recognition for our university that he is the only Hungarian participant in this prestigious international program.

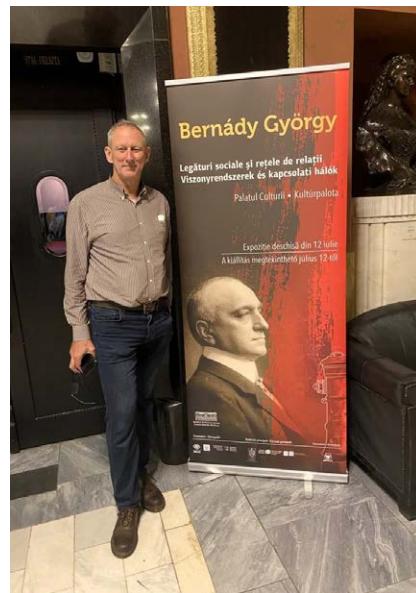
Our PhD student — a young researcher of Space Lab — is attending world-class lectures and workshops as part of the training program. The event is mentored by leading institutions and organizations, including the **Korea Aerospace Research Institute**, the **Korea Institute of Science and Technology**, the **Electronics and Telecommunications Research Institute**, the **National Research Council of Science and Technology**, the **Korean Society for Aeronautical and Space Sciences**, the **Korean Society for Aeronautical System Engineering**, and the **Korean Space Science Society**.

In recent years, South Korea has significantly advanced its space capabilities. Its recent developments — such as the **Nuri launch vehicle**, the **Danuri lunar mission**, and the establishment of the **Korea AeroSpace Administration (KASA)** — clearly demonstrate the country's successful ambitions in space exploration.



Source:

<https://uni-obuda.hu/2025/07/02/doktorandusz-hallgatok-magyarorszagrol-egyedulikent-bekerult-az-urkutatasi-tanulmanyi-programba/>



György Bernády. Social Networks: Exhibition opened in Târgu Mureş with the participation of Ybl Miklós Faculty

The History Department of the Mureş County Museum has opened the exhibition 'György Bernády. Social Networks', organized by the History Department of the Mureş County Museum, at the Palace of Culture in Târgu Mureş. The exhibition presents the career and impressive achievements of Mayor György Bernády.

Anthony Gall, Dean of the Ybl Miklós Faculty of Architecture and Civil Engineering at Obuda University, and Koppány Bulcsú Ötvös, Director of the Mureş County Museum, signed a cooperation agreement on behalf of the university, which led to the creation of the digital architectural models for the exhibition, which was made possible with the support of Dr. János Orbán, scientific researcher, as chief curator, while Dr. András Horkai, a lecturer at the Ybl Faculty, contributed to the creation of the digital models.

György Bernády (1864–1938) was a central figure in the modern development of Târgu Mureş. An iron-willed mayor, he oversaw the construction of the city's most emblematic buildings, including the old town hall, the Palace of Culture, and the most prestigious schools. He was also responsible for creating the infrastructure of a modern European city: during his tenure, the water supply network, sewerage system, and asphalt paving were completed, among other things.



<https://ybl.uni-obuda.hu/en/bernady-gyorgy-social-networks/>



Mindfulness training in Dubrovnik

Dr. Erika Soltész Janurikné PhD, Director of Institute in Ybl Miklós Faculty of Architecture and Civil Engineering, was able to participate in the 'Mindfulness – Breathing technique that is changing the 21st Century Classroom' training in a building constructed during the Austro-Hungarian monarchy in a beautiful natural setting near the medieval old town of Dubrovnik, from 14-18 July 2025.

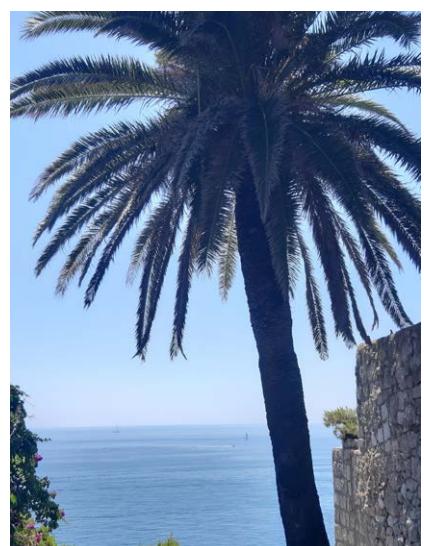
The Erasmus+ KA1 course aims to develop mental health and well-being, which is a fundamental element of a happy and healthy life and should be pursued in the classroom environment.

During the training, an experienced trainer with a degree in psychology presented exercises on how to cope with everyday stress in general and in teaching. The declared aim of the training is to learn techniques for stress relief, to strengthen a positive attitude, and to raise awareness of inner resources.

Part of the classes were held in a natural environment in the open air, sailing over to Lokrum Island, where they learned basic mindfulness exercises.

Another advantage of the Erasmus training was that they had the opportunity to exchange a wide range of experiences with colleagues from different parts of Europe, and the connection was maintained in the group of participants created by the organisers.

<https://ybl.uni-obuda.hu/en/?p=20972>





Greenqual measurement campaign at Obuda University

The faculty and students of Obuda University have reached another milestone in the international Greenqual research project: between 21-25 July, for a whole week, microclimate measurements were carried out at several locations, recording temperature, relative humidity, air quality, wind patterns and lighting intensity.

The main objective of the work was to collect real environmental data on the status quo of the current summer heat island effect and to obtain raw material for the validation of future urban simulations. Within each target area, several measurement points were assigned and measurements were taken for half an hour. On average, we repeated this process 4-7 times within a target area, creating a more accurate and reliable database.

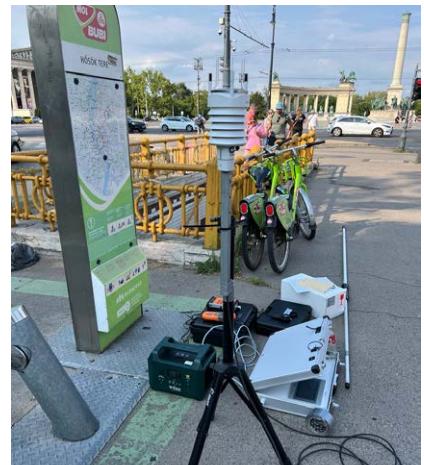
Measurement campaign locations:

- Városliget – Sunbathing area
- Péterfy Sándor street
- Blaha Lujza square
- Andrassy avenue
- Kopaszi dike

In addition to the measurements taken by the fixed stations, continuous thermal imagery was also recorded, providing additional valuable information for the research.

GreenQual: Investigating the role of green spaces in improving climate change adaptability, water, soil and air quality in dense urban areas is a project co-funded by the European Interest Group (EIG), CONCERT-Japan and the Hungarian NKFI under grant number 2024-1.2.2-ERA_NET-2024-00006.

<https://ybl.uni-obuda.hu/en/greenqual-measurement-campaign-at-obuda-university/>





ICOMOS Summer School took place with a wide international interest

The ICOMOS Summer School, which this year was hosted by Hungary from 6-10 July 2025, in the framework of the 55th András Román Summer course on Monument Protection, was met with wide international interest.

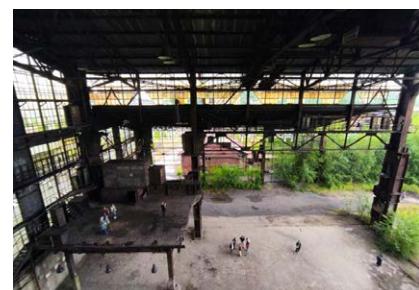
The main theme of the Summer School was the monument and its environment, which was approached through the three typical groups of built heritage in Hungary, the use of manor houses, vernacular architectural heritage and the situation of industrial heritage, in combination with the issue of social conflicts.

Students and lecturers from the Ybl Miklós Faculty of Architecture and Civil Engineering of Obuda University also participated in the event. On the third day of the five-day summer school, which was held in English, a study trip was organised to Hollókő and Ózd, and on the fourth day, a series of lectures were organised.

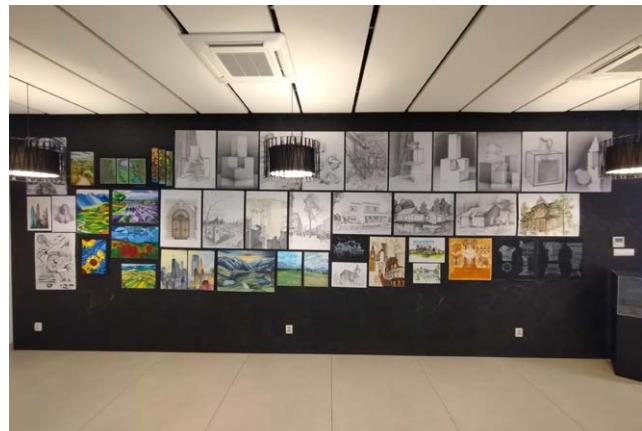
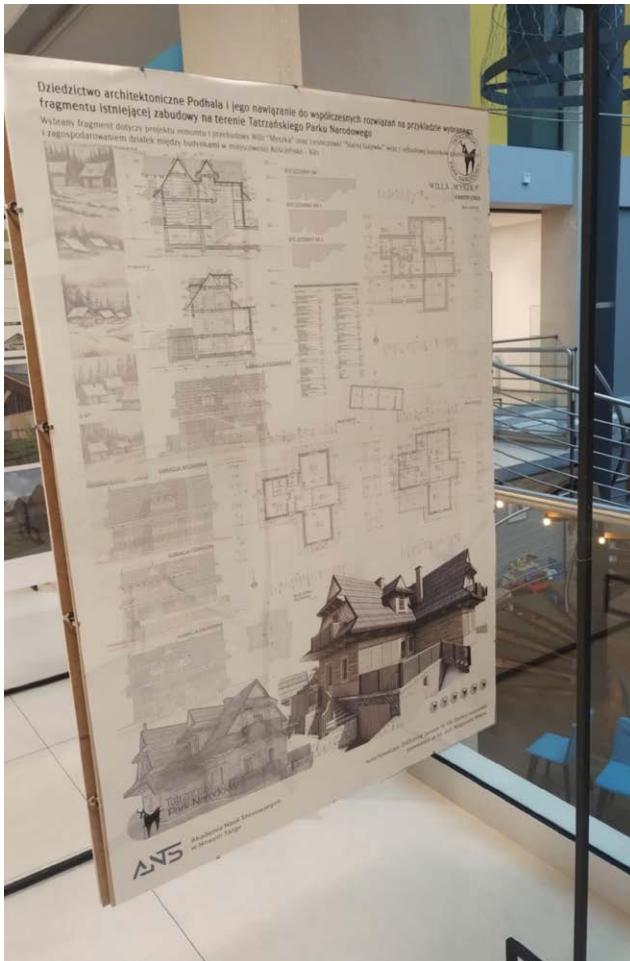
A team of lecturers and students from the Ybl Miklós Faculty of Architecture and Civil Engineering also contributed to the success of the

event with an exhibition of the faculty's student groups working on heritage conservation (UNI.CO.RE., I'5, NTDK and FEÖD).

In the afternoon workshop teams of students of the Industrial Heritage Workshop (I'5) (Zsombor Rácz, architect III, Tímea Nagy, architect III, Réka Tóth, architect III, Veronika Görgényi, architect IV, Emese Katinka Juhász, PhD student, Gergely Péterffy, architect III) participated in large numbers and professionally successfully.



<https://ybl.uni-obuda.hu/en/icomos-summer-school-took-place-with-a-wide-international-interest/>



Teaching mobility in Poland

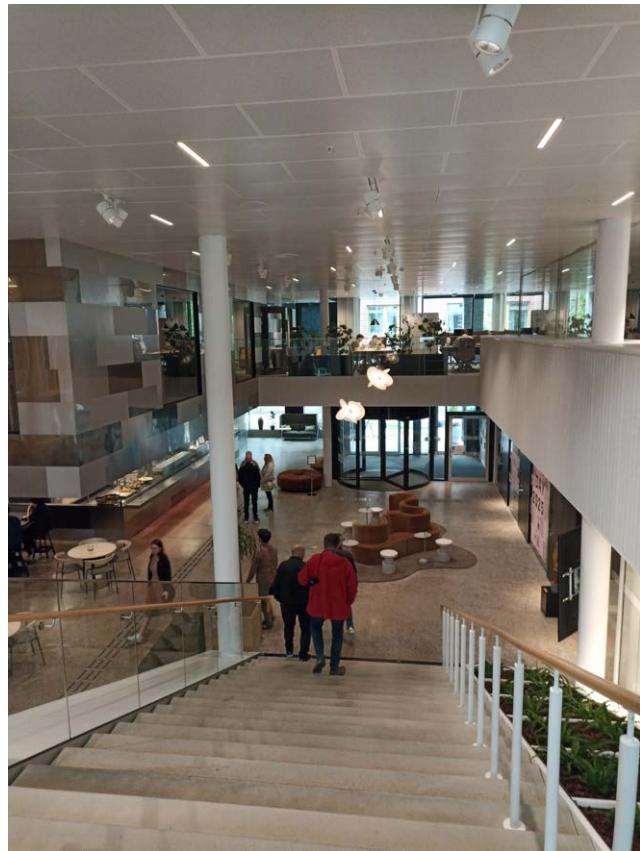
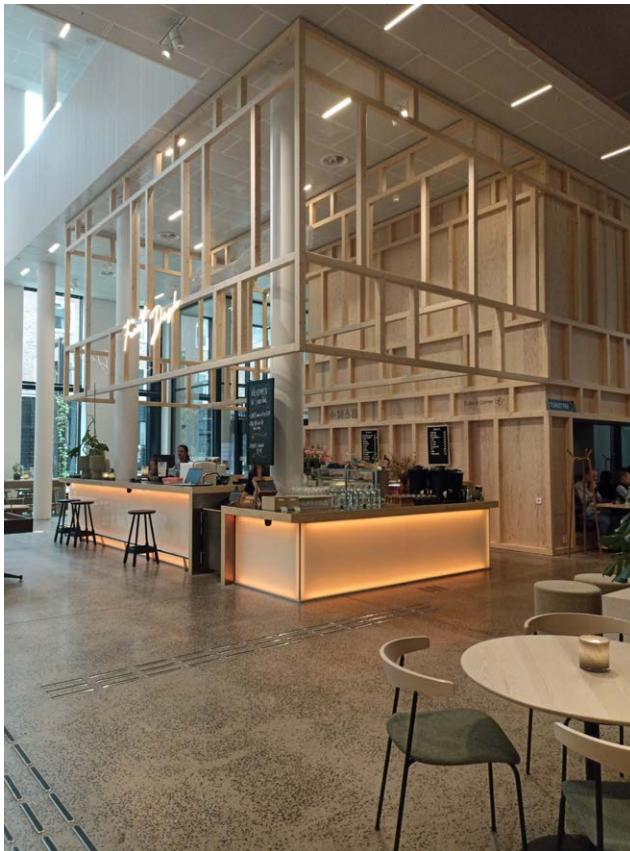
Dániel Badik-Szabó, assistant lecturer at the Ybl Miklós Faculty of Architecture and Civil Engineering, spent a week in southern Poland as part of a teaching mobility program at the ANS (Akademia Nauk Stosowanych) in Nowy Targ.

He worked with several classes at different levels. With first-year students, he focused on small-scale family house projects, while with senior students he consulted on larger community buildings. Discussions addressed structure, materials, colour, usability, and aesthetics. While younger students were somewhat reserved, the older students engaged enthusiastically and presented their work. Where necessary, the lectures shifted from English to Polish technical terms, for which he had prepared in advance.

He was also invited by students and faculty to attend their semester exhibition at the municipal cultural centre, where he had the chance to view their projects and reconnect with a student he had taught during the previous year.

In addition, he held a productive meeting with the Erasmus Coordinator, who provided support both before and during the visit. They discussed the range of courses offered at the two institutions and explored opportunities for future cooperation.

<https://ybl.uni-obuda.hu/en/teaching-mobility-in-poland/>



Fruitful Networking in Sweden

The staff from the Ybl Advisory Office (YTI), had the chance this year to take part in a university visit with the Panonnia Program in Sweden in early June.

They established contact with Jönköping University and the Science Park. Thanks to the collaboration of Géza Fischl, communication and coordination went smoothly and effectively throughout the process. At the university, they were welcomed and guided by Ibrahim Yitmen, while at the Science Park, Zara Malm received and showed them around. They shared their experiences related to student interests, the educational system, and teaching methods. Their hosts told them about student life, and during the tour of the buildings and campus, they saw firsthand how students use the spaces and facilities. The shared impression of the team

was that the university buildings are open and accessible to everyone, with abundant student, community, and study spaces. From both an architectural and educational perspective, the experience had a strong impact on them.

During their trip, they also stopped in Copenhagen and visited the University Park there, which was also exemplary.

<https://ybl.uni-obuda.hu/en/fruitful-networking-in-sweden/>



Cultural Crossroads: Fostering European Identity through Heritage Engagement #2

Workshop and Conference
in Zavattarello, Italy

Andor Wesselényi-Garay, professor at the Ybl Miklós Faculty of Architecture and Civil Engineering of Obuda University, participated as organizer and architectural expert in the Erasmus+ project Fostering European Identity through Heritage Engagement. Following the first project location in Bögöz, Transylvania, the second venue was Zavattarello, Italy, where Italian, Hungarian, and Transylvanian youth learned about heritage care in Italy through the restoration works of the local castle. On-site creative workshops and installation projects were complemented by book restoration sessions and academic conferences addressing the history of the site as well as broader issues of heritage protection.

The European cooperation involving the three countries aims to strengthen participants' sense of European identity—both architects and non-architects alike—through heritage protection practices. Last but not least, the project aims to raise awareness of the principles of unity and diversity, cultural identity and awareness, and historical heritage. The lectures and workshops are taking place across three locations: Bögöz in Transylvania, Zavattarello in Italy, and, in October, Budapest.

<https://www.cultural-crossroads.eu/>

