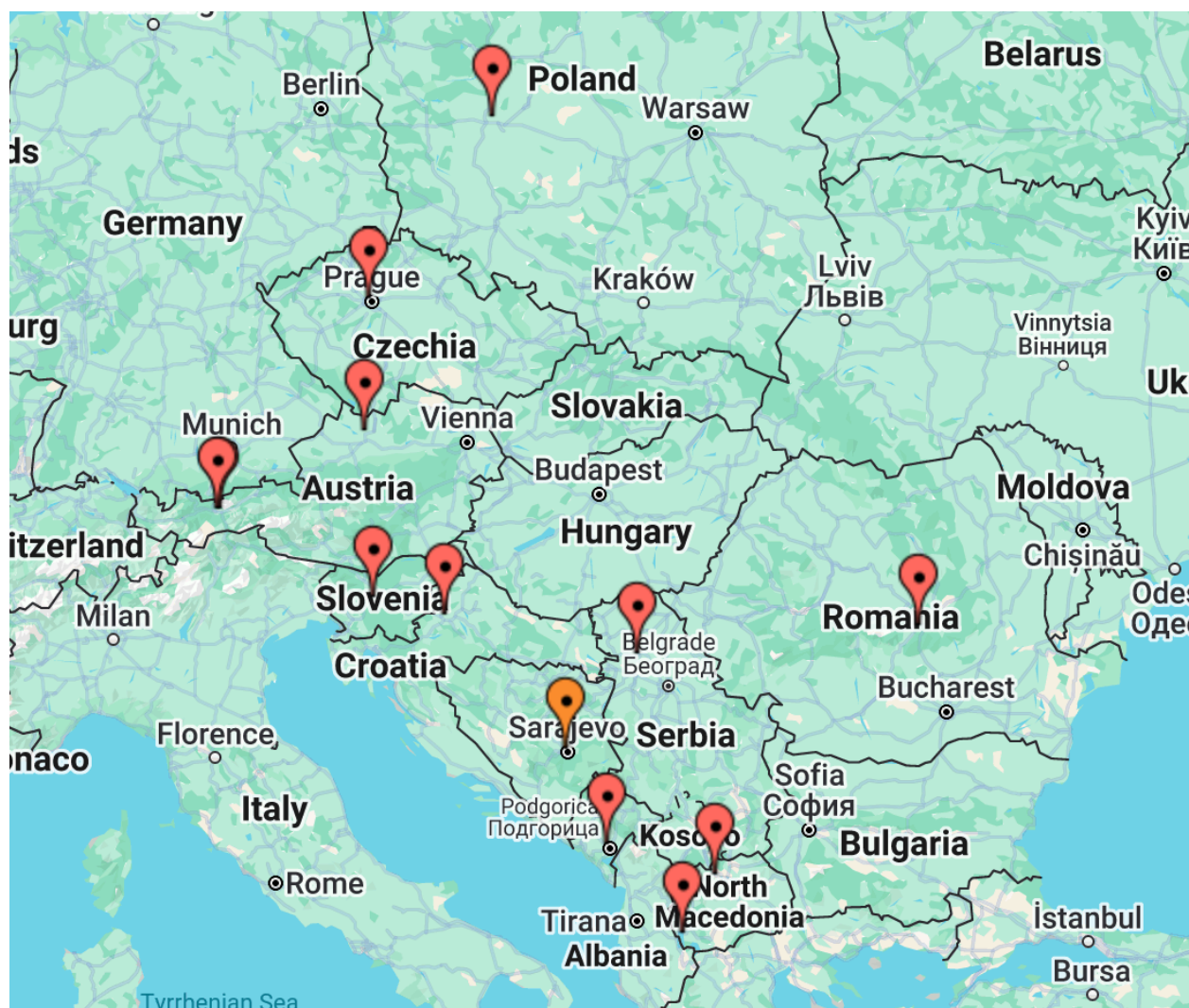




**CEEPUS Network (<https://www.ceepus.info/nw/2004-2526>) RAiSE – Robotics, AI, and Computer Science for Engineering** connects education, science, and industry partners in Central and South-Eastern Europe to enhance teaching, research, and innovation in robotics, AI, and engineering. The network fosters interdisciplinary collaboration to tackle regional and global challenges, focusing on integrating AI and robotic solutions into real-world applications.

Key activities include student and teacher exchanges, joint research, co-supervision of theses, and an annual **Summer/Winter School on Robotics and AI**, which offers hands-on experience with cutting-edge technologies. RAiSE supports bilateral agreements between institutions, ensuring mutual recognition of learning outcomes, facilitating mobility, and preparing students for global careers.

The network includes 12 partners from 10 countries from faculties of electrical engineering, computer science, information and communication sciences, robotics and machine intelligence, medical & health technologies, and technical sciences.



## Type and Availability of Mobility Actions

1. **Semester Student Exchange:** Prioritizing balanced mobility among network partner institutions, RAiSE will facilitate semester-long exchanges. Learning Agreements and pre-recognition processes ensure credit transfer for participating students.

Host institutions:

- University of Innsbruck
- MCI Management Center Innsbruck
- Czech Technical University in Prague
- University of Zagreb
- University of Montenegro
- Ss. Cyril und Methodius University in Skopje

- Poznan University of Technology
- "TRANSILVANIA" UNIVERSITY OF BRASOV
- University of Novi Sad
- Jozef Stefan International

2. **Teaching Mobilities:** Academic staff are encouraged to engage in teaching exchanges to promote professional development, internationalization, and the sharing of innovative teaching methods. Invitations will be extended across institutions to foster collaboration and multiplier effects, particularly in integrating robotics, AI, and computer science into engineering education. ( up to 1 month)

Host institutions:

- University of Sarajevo
- University of Innsbruck
- MCI Management Center Innsbruck
- Czech Technical University in Prague
- University of Zagreb
- University of Montenegro
- Ss. Cyril und Methodius University in Skopje
- University of Information Science and Technologies "St. Paul the Apostle - Ohrid
- Poznan University of Technology
- "TRANSILVANIA" UNIVERSITY OF BRASOV
- University of Novi Sad
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3. **Staff Exchanges for Capacity Building:** Staff from countries with less participation in EU projects will have the opportunity to learn about project management, report writing, and EU project handling. These exchanges will also facilitate knowledge sharing to improve networking activities, develop joint degrees, and implement better collaborative frameworks within faculties. (3-5 working days)

Host institutions:

- University of Innsbruck
- MCI Management Center Innsbruck
- Czech Technical University in Prague
- University of Zagreb
- University of Montenegro
- Jozef Stefan International

4. **Student short visit (1 month):** Joint research projects and co-supervision of theses will be possible.

Host institutions:

- University of Sarajevo
- University of Innsbruck
- MCI Management Center Innsbruck
- Czech Technical University in Prague
- University of Zagreb
- University of Montenegro
- Poznan University of Technology
- Jozef Stefan International

How to apply : <https://www.ceepus.info/content/apply>

**Application deadline: 30th October 2025**

**The scholarship rates for each type of mobility are listed under the corresponding host country**

<https://www.ceepus.info/content/contact>

#### **Partners and contributions**

**UNSA - The Faculty of Electrical Engineering** will oversee and coordinate mobility activities within the network, ensuring that all partners uphold and respect the network's mission. Additionally, it will foster effective communication and collaboration among the partners to maintain strong cooperative relationships.

The Faculty of Electrical Engineering of the University of Sarajevo is the oldest and largest higher education institution in Bosnia and Herzegovina, which educates staff in various fields of electrical engineering and computer science. The Faculty of Electrical Engineering educates leading experts in power engineering, automation and electronics, computing and informatics, and telecommunications through three education cycles with a total of 13 study programs. The BSc program in Data Science and AI is implemented in an e-learning system, and courses will be offered to students who participate remotely.

**Doc. dr. Senka Krivić** is a lecturer leading Human-Centered AI Sarajevo Laboratory. Their research goal is to develop artificial intelligence systems that can understand, interact and

collaborate with humans in trustworthy and ethical ways. She will be the coordinator and main contact point for RAiSE network.

**The Jožef Stefan International Postgraduate School (IPS)** will be the main organizer of Winter School which will be the joint event of this network. They will also host student, professors and university staff.

**JSI - The Jožef Stefan Institute** is the leading Slovenian scientific research institute, covering a broad spectrum of basic and applied research. The staff of about 1050 specializes in natural sciences, life sciences and engineering. The Jožef Stefan International Postgraduate School (IPS) was established in 2004 as an independent higher education institution. Its study programmes were approved by the Slovenian National Council for Higher Education. The initiative for the establishment of IPS came from the Jožef Stefan Institute (JSI). It was strongly supported by industry (Gorenje, Kolektor, Alpacem) and an international network of cooperating universities and research institutes from the European Union, USA, Japan, and many other countries. The Jožef Stefan Institute provides the central research and educational basis, whereas other partners, such as invited research institutes, industrial and other enterprises also contribute their knowledge and innovation capacities for solving developmental problems.

**Dr. Andrej Gams** is a senior researcher and head of the Humanoid and Cognitive Robotics Laboratory at Jožef Stefan Institute in Ljubljana, Slovenia. He is also an associate professor at the Jožef Stefan International Postgraduate School.

**MCI Management Center Innsbruck** will be in charge of organization of an annual network meeting. The meeting will be used for network activities planning. Additionally, they will welcome students and researchers for collaborations and semester exchanges.

**MCI Management Center Innsbruck**, located in Innsbruck, Austria, is a private business school that provides a range of study programs culminating in Bachelor's and Master's degrees. Additionally, it offers Executive Master's programs such as MBA, MSc, and LL. The Management Center Innsbruck (MCI) was founded in 1995-96 as a university center under private law and owned largely by public organizations.

**Dr. Yeongmi Kim** is a professor in Medical Devices & Control Engineering. Her research interests include assistive technology, human-computer interaction, psychophysics, and haptic interfaces.

UCG will host students and professors as well as participate in the joint network activity.

**UCG - The University of Montenegro** (Montenegrin: Univerzitet Crne Gore / Универзитет Црне Горе) is a national public university of Montenegro. Its central administration and most of its constituent faculties are located in the country's capital Podgorica, with campuses in Nikšić, Cetinje, and Kotor. Its institution was established in 1974 and currently has 19 faculties. The seat of the university is in Podgorica, the capital of Montenegro, with a population of around 290,000. Most faculties of the University of Montenegro are located in Podgorica, while some faculties are in Nikšić, Cetinje and Kotor.

**Dr. Slavica Tomovic** is an Assistant Professor at University with research in the field of telecommunications, particularly on the development of intelligent communication systems based on artificial intelligence, the Internet of Things and blockchain technology, contributes to the optimization and security of digital infrastructure.

**UIBK - The University of Innsbruck** will host several incoming students and few incoming teachers and university staff. In addition, it will participate in the activities related to the preparation of the summer school.

**The University of Innsbruck** is the third-largest public university in Austria. It counts about 28.000 students and 5500 faculty and staff, and engages in research and education in a broad range of subject areas organized in 16 faculties. The Department of Computer Science is steadily growing and currently counts 22 professors. It constitutes a highly productive research environment with a very strong proportion of researchers and doctoral students to undergraduate students, generates several Million Euros in external funding per year, and has produced more than a dozen viable start-up companies.

**Prof. Justus Piater** heads the Intelligent and Interactive Systems research group that pursues the question of how to enable autonomous robots to understand their environment such that they can act purposefully and robustly, even in situations for which they were not specifically designed. This research spans computer vision, machine learning, and robotics. He has been involved in many EU and other international projects. Since 2019 he also serves as the founding director of the Digital Science Center of the University of Innsbruck.

**FER - Faculty of Electrical Engineering** within UNiZG will implement student and teacher mobility.

**The University of Zagreb (UNiZG)** is the oldest Croatian university and also the oldest university in South East Europe. The University was founded in 1669 by Emperor and King Leopold I Habsburg who issued a decree granting the status and privileges of university to the Jesuit Academy of the Royal Free City of Zagreb. The modern UNiZG of Zagreb was established in 1874 (with 4 faculties: Law, Theology, and Humanities), while majority of faculties and academies of art were established during the 20th century. The University is composed of 29 faculties, 3 art academies and 1 university center with more than 70,000 students.

**Prof. Ivan Marković** is the deputy head of the Laboratory for Autonomous Systems and Mobile Robotic (LAMOR) at the Faculty of Electrical Engineering and Computing. He teaches multiple undergraduate and graduate courses, mainly in the fields of robotics and estimation theory. He has mentored more than 60 undergraduate and graduate students and 3 PhD theses were defended under his mentorship. His research interests lie in autonomous mobile robotics, estimation theory and human-robot interaction. He has participated in 11 international projects, most of them being funded through the EU framework programmes.

**UNS** will participate in joint and mobility activities of the network. Also, they will host incoming students, teachers and staff.

**UNS - The University of Novi Sad** (Serbian: Универзитет у Новом Саду, Univerzitet u Novom Sadu; Hungarian: Újvidéki Egyetem) is a public university in Novi Sad, Serbia.

Alongside nationally prestigious University of Belgrade, University of Novi Sad is one of the most important educational and research institutions in Serbia and South Eastern Europe and the flagship institution of higher education in Vojvodina. The University of Novi Sad, with almost 50,000 students and more than 5,000 employees, is one of the largest educational and research centers in Central Europe. It belongs to the group of comprehensive universities, which are characterized by providing nearly all fields of science and higher education. It is composed of 14 faculties and three scientific institutes located in four university cities - Novi Sad, Sombor, Subotica and Zrenjanin.

**Dr. Mirko Rakovic** will serve as contact point for UNS. He is a professor at . His research interests are in robotics, mechatronics, and automation,

**PUT** will host several students and teachers, along with a few staff members, and will also participate in organizing the winter school.

**Poznan University of Technology (PUT)** is a leading technical university in Poland, with nine faculties and around 16,000 students. It employs over 1,000 academic staff and has about 230 international partnerships. Since 2020, PUT has led EUNICE, a European University for Customized Education, funded by Erasmus+. PUT is experienced in project management, having participated in 29 FP7, 19 H2020, and 7 Horizon Europe projects. In 2023, it implemented 237 externally funded projects. The Institute of Robotics and Machine Intelligence (IRIM), part of the Faculty of Control, Robotics, and Electrical Engineering, focuses on AI-based robotics, including robot autonomy, navigation, advanced grasping, human-robot interaction, computer vision, and machine learning for physical/edge systems. IRIM offers robotics study programs in both Polish and English, including the unique Master's program in Robotics and Autonomous Systems, the only one of its kind in Poland, and is also involved in the English-language Artificial Intelligence program.

**Prof. Piotr Skrzypczyński** is full professor and Head of the Robotics Division at the Institute of Robotics and Machine Intelligence of PUT. He is also the deputy leader of PUT's Interdisciplinary Centre for Artificial Intelligence and Cybersecurity. Prof. Skrzypczyński has led or been a principal investigator in research projects funded by the Polish Ministry of Science and Higher Education, the National Science Centre, and NCBR, as well as co-PI in EC projects. He has mentored five national research grants for young scientists and supervised eight PhDs, two of which won awards for best AI theses in Poland. He currently chairs the Steering Committee of the NCBR INFOSTRATEG programme. His research focuses on autonomous navigation, SLAM, perception, and machine learning in robotics and IoT systems.

**UNITBV** will host incoming professors, students, and university staff.

**Transilvania University of Braşov (Romanian: Universitatea Transilvania din Braşov; UNITBV, also stylised UniTBv)** is a higher education and research institution in Braşov, Romania which comprises 18 faculties, with a number of over 20,880 students and over 700 teaching staff members. Currently, Transilvania University of Braşov is the largest university in the centre of the country, a university that offers programmes in fields such as: mechanical engineering, industrial engineering, computers, construction, forestry, wood engineering, product design, nutrition and tourism, computer science, mathematics, economics, medicine, pedagogy, music, literature and linguistics, law, sociology and social work, psychology. There

are 98 undergraduate programmes in the University: 81 full-time study programmes, 17 part-time study and distance learning programmes, 66 master's degree study programmes (63 full-time and 3 part-time) and 22 doctoral fields (full-time and part-time).

**Sorin-Aurel Moraru** is Professor and Director of Department Automatics and IT at UNITBV. His research are in Cloud Computing, Agile Development, Application Server, Cloud Environment, Internet Of Things and Machine Learning,

**UIST** will participate in mobility schemas as well as organization of winter school.

**The University of Information Science and Technology "St Paul the Apostle" (UIST)** is a public university established in 2009 in Ohrid, Macedonia, with an act of the Parliament of the Republic of Macedonia. It is a specialised higher educational institution in information science and technology. Since its establishment, it has continuously tried to promote excellence in education and research in the aforementioned field. UIST contains five faculties: Faculty of Information Systems, Visualization, Multimedia and Animation, Faculty of Computer Science and Engineering, Faculty of Communication Networks and Security, Faculty of Information and Communication Sciences and Faculty of Applied Information Technology, Machine Intelligence and Robotics.

UIST offers innovative contemporary study programs based on best practices of instruction used in some of the leading universities in the USA, Europe and Australia. UIST programs are designed to meet the needs of the new generation of ICT professionals, yet giving students enough space for specialisation and pursuit of their individual interests. Building up its image as a centre for nurturing skilful ICT professionals, UIST is often directly approached by companies in demand of quality employees. The international outreach of the university results in UIST having a multicultural student population from a wide variety of countries, along with domestic students.

University of Information Science and Technology "St. Paul the Apostle" - Ohrid is an innovative modern institution that offers exclusive study programs with hands-on exploration of the important theoretical and practical aspects. We strive to establish an international character of the university as a leading ICT education and research institution in the region.

**Aleksandar Karadimce**, PhD Associate Professor at the Faculty of Information and Communication Sciences at the University of Information Science and Technology "St. Paul the Apostle" - Ohrid. He holds a PhD in Computer Science and Engineering focused on information processing. He has 10+ years of experience in research in detecting or uncovering patterns and trends from the collected data using data analytics tools and visualizations. Experience in guided analytical dashboards and implementing Tools for Analytics and Cognition for pattern prediction, risk quantification, and return on investment analysis.

**CVUT - Czech Technical University in Prague** will host several incoming students and a few incoming teachers and university staff.

Czech Technical University in Prague (CTU), founded in 1707, is a leading public technical university with eight faculties and five research institutes. The Faculty of Electrical Engineering (FEE), established in 1950, excels in research and education in electrical engineering, computer science, robotics, and AI. In 2023, external funding accounted for €23.7 million—nearly half of its budget. Hosting around 3,200 students, FEE saw an 18% rise



in bachelor enrollments for 2024/2025, reflecting its growing appeal. Its programs integrate cutting-edge fields like robotics, AI, computer science, IoT, and traditional engineering. Strong expertise in robotics and AI is supported by advanced labs and centers for Robotics, Autonomous Systems, and AI. With strong international collaboration and industry partnerships, FEE fosters innovation and academic excellence.

**Prof. Jan Faigl**, chair of the Open Informatics bachelor and master programs at CTU FEE, has been leading the Computational Robotics Laboratory within the Artificial Intelligence Center since 2013. He co-founded the Center for Robotics and Autonomous Systems and co-led the CTU-CRAS-NORLAB team in the DARPA SubT Challenge. Under his mentorship, students have consistently earned dean's awards for outstanding theses and won prestigious honors, including the IT Spy award for the best master thesis in informatics in Czechia and Slovakia (2019, 2021). His teaching bridges cutting-edge research in computational robotics, multi-goal planning, and autonomous systems, preparing students for excellence in robotics and AI.

**SCMU** will implement student and teacher mobility and participate in joint activities..

**SCMU - Ss. Cyril and Methodius University in Skopje, North Macedonia** is the first state University in the Republic of North Macedonia, founded in 1949. At the moment, the University represents a functional community of 23 faculties, 5 research institutes, 4 public scientific institutions, and other associate members. Its activities are stipulated by the Law on Higher Education and the Statute of the University. The university develops study programmes in all scientific fields – natural sciences and mathematics, technical and technological sciences, medical sciences and health, biotechnical sciences, social sciences, humanities and arts. The university has over 22,000 students in graduate studies, 14,100 students in post-graduate studies, and a total of 1,545 students in doctoral studies. Over 3,100 teaching, research, associate, as well as administrative staff participate in the realization of the teaching and scientific process at the faculties and institutes.

**Gorjan Nadzinski** is an associate professor at SCMU, at the Faculty of Electrical Engineering and Information Technologies (FEEIT). He is a part of the Department of Automation and Control Engineering, and teaches courses in robotics, machine learning, and industrial automation. He has mentored over 40 graduate and postgraduate students, and has been involved in several EU and other international projects and collaborations.