

**List of projects and expressed interest by the potential candidates.**

**Submission date: 2025.01.19 (Annex 01)**

**PROJECTS PROPOSAL LIST**

**Scientific contents: individual research programme in the field of engineering and technical sciences under supervision of tutor and coordinated by the UNESCO AGH Chair.**

**ID 2025A 01 AGH PL.** Innovative methods for distant measurement of vital signs. (Project title). Biomedical Engineering (Discipline). Academic requirements: Candidates should have minimum B.Sc. degree in biomedical engineering, electrical engineering or computer science and confirmed student status/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in computer usage and programming (C++, Java, Python etc.), electronic equipment, sensors (video camera, thermal imaging, radar), signal and image processing, human physiology and physiological measurements. Scientific and technical reading and writing in English and experience with Matlab will also be welcome. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 02 AGH PL.** Video-based recognition of human body activity in stress conditions. (Project title). Biomedical Engineering (Discipline). Academic requirements: Candidates should have a M.Sc. degree in biomedical engineering, electrical or mechanical engineering or computer science and confirmed student/ research institution/ university staff member status during the period of 01.10.2025 - 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in computer usage and programming (Python, Java etc.), electronic equipment, signal processing, human physiology and physiological measurements. Scientific and technical reading and writing in English and experience with Matlab will also be welcome. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 03 AGH PL.** Intelligent artificial autonomous decision systems (AADS). (Project title). Computer and Information Sciences (Discipline). Academic requirements: Candidates should have a M.Sc. degree in computer science, mathematics, automatic control, robotics or computational physics/astrophysics/neurobiology and confirmed student/ research institution/ university staff member status during the period of 01.10.2025 - 31.03.2026 (6 months). Qualifications required: Excellent programming skills and experience in Matlab - a good working knowledge and Python/ Additional knowledge of PHP/MySQL; Java/C++/C#, no-SQL database programming are welcome. Analytic thinking ability is a necessary prerequisite to be fulfilled by the candidates. Interests and preliminary knowledge in one or more of the following fields: multicriteria optimization, forecasting, statistics, autonomous systems, including autonomous mobile robots and multi-robot teams, vision systems (such as moving objects tracking) autonomous webcrawlers. Pre-existing knowledge in neurosciences will be required from candidates wishing to undertake research theme 4 in p. 8 below. Social communication skills and good teamwork record will be important assets. Candidates should be proficient in reading and writing in English. As a formal requirement, they should not be more than 32 years of age. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 3.

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**ID 2025A 04 AGH PL.** Application of functionalized mineral materials for sorption of inorganic and organic pollutants from aqueous solutions. (Project title). Earth and Related Environmental Sciences/ Environmental Engineering, Mining and Energy (Discipline). Academic requirements: Candidates should have minimum B.Sc. degree in chemistry, materials science, environmental engineering, environmental sciences or related scientific disciplines and confirmed student/ research institution/ university staff member status during the period of 01.10.2025 - 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge of chemistry, material science, environmental engineering and laboratory work. Additional knowledge of materials engineering, geochemistry and mineralogy will be a great asset. Scientific and technical reading and writing in English and experience with basic laboratory equipment will be required. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 2.

**ID 2025A 05 AGH PL.** Geology and mineralogy of the Cu-Ag indices as a potential for the Red bed type deposit in S-America. (Project title). Earth and Related Environmental Sciences (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in geology and confirmed student status/ research institution/ university staff member status during the period of 01.10.2025 - 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in sample collection and preparation. Scientific and technical reading and writing in English and experience with general knowledge in geology, mineralogy, geochemistry, mineral deposit, and computer sciences. Candidate with the selected samples is welcome. You can contact by the email your supervisor in this matter. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 06 AGH PL.** Geology of the stratabound Cu-Ag deposit in S-America. (Project title). Earth and Related Environmental Sciences (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in geology and confirmed student status/ research institution/ university staff member status during the period of 01.10.2025 - 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in sample collection and preparation. Scientific and technical reading and writing in English and experience with general knowledge in geology, mineralogy, geochemistry, mineral deposit, and computer sciences. The samples from the selected deposit are strongly recommended. Please contact your supervisor by the email regarding this matter. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 07 AGH PL.** Mineral characterization and evaluation of selected Cu, Sn-W (-Mo) deposit in SE Asia. (Project title). Earth and Related Environmental Sciences (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in geology and confirmed student status/ research institution/ university staff member status during the period of 01.10.2025 - 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and

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writing in English; be not more than 30 years of age; Candidates should have a general knowledge in sample collection and preparation. Scientific and technical reading and writing in English and experience with general knowledge in geology, mineralogy, geochemistry, mineral deposit, and computer sciences. The samples from the selected deposit are strongly recommended. Please contact your supervisor by the email regarding this matter. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean, SE Asia and the Pacific. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 08 AGH PL.** Potential areas/deposits of one of African countries in some Cu, REE, critical resources deposit as a key for the country development. (Project title). Earth and Related Environmental Sciences (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in geology and confirmed student status/ research institution/ university staff member status during the period of 01.10.2025 - 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 30 years of age; Candidates should have a general knowledge in sample collection and preparation. Scientific and technical reading and writing in English and experience with general knowledge in geology, mineralogy, geochemistry, mineral deposit, and computer sciences. The samples from the selected deposit are strongly recommended. Please contact your supervisor by the email regarding this matter. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean, Africa (eg. Tanzania). Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 09 AGH PL.** Carbonatites in Eastern African rift: Mineralogical and geochemical study. (Project title). Earth and Related Environmental Sciences (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in geology and confirmed student/ research institution/ university staff member status during the period of 01.10.2025 - 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in ore deposits – especially REE bearing systems and alkaline magmatic systems, microscopy in reflected light, mineralogy of ore minerals, general knowledge on Africa geology and metallogeny, be familiar with EMPA and EDX analyses, own samples for study are REQUIRED. Scientific and technical reading and writing in English and experience with report and scientific article writing as well as preparation of presentations for public. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 10 AGH PL.** Copper mineralization in the Central Asia metallogenic belt: Mineralogical and geochemical study. (Project title). Earth and Related Environmental Sciences (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in geology and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in ore deposits – especially porphyry and epithermal systems, microscopy in reflected light, mineralogy of ore minerals, general knowledge on Central Asia geology and metallogeny, be familiar with EMPA and EDX analyses, own samples for study are REQUIRED. Scientific and technical reading and writing in English and experience with report and scientific article writing as well as preparation of presentations for public. AGH University of Krakow. Full address: Ave. A.

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Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 11 AGH PL.** Mineralogical characteristics of the epithermal systems in South America. (Project title). Earth and Related Environmental Sciences (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in geology and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in ore deposits – especially porphyry and epithermal systems, microscopy in reflected light, mineralogy of ore minerals, general knowledge on South America geology and metallogeny, be familiar with EMPA and EDX analyses, own samples for study are REQUIRED. Scientific and technical reading and writing in English and experience with report and scientific article writing as well as preparation of presentations for public. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 12 AGH PL.** Assessment of geotourism potential of geological resources of selected regions in the developing countries. (Project title). Earth and Related Environmental Sciences (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in geology and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in geology, geography, tourism, geotourism, environment protection. Scientific and technical reading and writing in English and experience with geology, geography, tourism, geotourism, environment protection. Own research data and science materials concerning geology and geotourism development of selected region of the developing country are highly recommended. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 13 AGH PL.** Biostratigraphy of deep-sea foraminiferal assemblages. (Project title). Earth and Related Environmental Sciences (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in geology and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in geology, paleontology and experience with works with foraminifera, laboratory and microscopic work. Scientific and technical reading and writing in English and experience with geology and paleontology, ability to work with a stereoscope microscope. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 14 AGH PL.** Energy efficiency management of buildings. (Project title). Environmental Engineering, Mining and Energy. (Discipline). Academic requirements: Candidates should have a minimum MSc. / PhD degree in mining or civil engineering related fields and confirmed student/

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research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age;; Scientific and technical reading and writing in English, combined with experience with civil engineering and environmental engineering, should be enabled to effectively analyze complex materials and produce precise, high-quality documentation. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab States, Asia and the Pacific, Latin America and the Caribbean, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 15 AGH PL.** Ventilation and safety systems in tunnels and subways. (Project title) Environmental Engineering, Mining and Energy. (Discipline). Academic requirements: Candidates should have a minimum MSc. / PhD degree in mining or civil engineering related fields and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Scientific and technical reading and writing in English, combined with experience with civil engineering and environmental engineering, should be enabled to effectively analyze complex materials and produce precise, high-quality documentation. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab States, Asia and the Pacific, Latin America and the Caribbean, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 16 AGH PL.** Scalable distributed energy systems using hydrogen as an energy storage and carrier acronym (H2-off-grid-ES). (Project title) Environmental Engineering, Mining and Energy. (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree technical science, engineering (power engineering, electrical engineering) and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Applicants should have a general knowledge of the power energy sector, renewable energy and numerical modelling and be familiar with the software used for these applications. Scientific and technical reading and writing in English and experience of editing and preparing technical descriptions of reports of numerical modelling or experimental work. Practical skills in the use of Microsoft programmes for data acquisition and conversion and the creation of scientific diagrams. Practical basic knowledge of programming Python and other programmes used for modelling in the energy sector. Knowledge of the Matlab Simulink environment. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 2.

**ID 2025A 17 AGH PL.** Drilling Related Geomechanics. (Project title) Environmental Engineering, Mining and Energy. (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in preferably in petroleum, earth engineering, physics, IT or mathematics and confirmed student / research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in mathematics to be able to solve problems using mathematical methods. Scientific and technical reading and writing in English and experience with scientific articles publishing. AGH University of Krakow. Full address:

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Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 18 AGH PL.** Analysis of chemical composition of atmospheric aerosols in Krakow agglomeration. (Project title) Environmental Engineering, Mining and Energy. (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in chemistry or environmental engineering or biochemistry, environmental chemistry and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in chemistry or environmental engineering or biochemistry or environmental chemistry or physics or similar scientific areas. Scientific and technical reading and writing in English and experience with chemistry or environmental engineering or biochemistry or environmental chemistry or similar scientific areas. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 19 AGH PL.** Hybrid hydrogels based on natural biomaterials loaded with natural plant extract for treatment of chronic wounds. (Project title) Materials engineering, Biomedical Engineering. (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in material science, biomaterials engineering, biomedical engineering, and organic chemistry and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: be not more than 32 years of age; Candidates should have a general knowledge in material science, biomaterials engineering, biomedical engineering, and organic chemistry; Scientific and technical reading and writing in English and experience with laboratory works on biomaterials manufacturing/testing. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 20 AGH PL.** Electrochemical synthesis of high entropy alloy coatings with enhanced catalytic activity and corrosion resistance. (Project title) Materials engineering. (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in Materials science, or Materials Engineering, or Metallurgy, or Chemistry and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in mathematics, physics, chemistry, and materials science. Scientific and technical reading and writing in English and experience with preparing technical reports and presentations in English and collaborating in international and interdisciplinary research teams, demonstrating practical communication skills. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 21 AGH PL.** Additive manufacturing of complex shape ceramic parts. (Project title). Materials Engineering. (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in materials science, chemical engineering, chemistry or mechanical engineering and

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confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in materials science and chemical engineering or chemistry. Scientific and technical reading and writing in English and experience with basic operations of ceramics technology and fundamentals in 3D manufacturing techniques. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab States, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 3.

**ID 2025A 22 AGH PL.** Functional materials for Solid Oxide Cells in energy storage and conversion. (Project title). Materials Engineering. (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in Materials Science or chemical engineering or chemistry and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in materials science and chemistry. Scientific and technical reading and writing in English and experience with laboratory work on materials synthesizing/testing will be required. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab States, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 2.

**ID 2025A 23 AGH PL.** Automated transportation technology systems and devices. (Project title). Mechanical Engineering (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in engineering and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in computer programs, have a general knowledge related to transportation problems, including automation, availability, safety and reliability problems, automated transport technology systems and devices; telematics and autonomous devices; digital twin systems; cooperating devices; teleporting. Scientific and technical reading and writing in English and experience with transportation technology systems and devices, automation and robotics, digital twin systems, availability, safety and reliability. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean, Arab States. Number of fellowships with free tuition sponsored by UNESCO (max): 2.

**ID 2025A 24 AGH PL.** Cyber-physical systems. (Project title). Mechanical Engineering (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in engineering and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in computer programs, have a general knowledge related to cyber-physical systems, twin systems, transportation problems, including safety and reliability problems. Scientific and technical reading and writing in English and experience with cyber-physical systems, twin systems, safety and reliability. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language:

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English. UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean, Arab States. Number of fellowships with free tuition sponsored by UNESCO (max): 2.

**ID 2025A 25 AGH PL.** Decision-making processes in engineering. (Project title). Mechanical Engineering (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in engineering and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in computer programs, have a general knowledge in decision problem in engineering, including safety and reliability problems, sustainability in general; others. Scientific and technical reading and writing in English and experience with problem base engineering systems and devices, decision problem in engineering, safety and reliability; others. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean, Arab States. Number of fellowships with free tuition sponsored by UNESCO (max): 2.

**ID 2025A 26 AGH PL.** Maintenance technology. (Project title). Mechanical Engineering (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in engineering and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in computer programs, have a general knowledge maintenance technology, including safety and reliability problems; others. Scientific and technical reading and writing in English and experience with maintenance technology systems and devices, safety and reliability; others. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean, Arab States. Number of fellowships with free tuition sponsored by UNESCO (max): 2.

**ID 2025A 27 AGH PL.** Soundscape planning as a method of environmental noise management in a selected national park. (Project title). Mechanical Engineering (Discipline). Academic requirements: Candidates should have a minimum B.Sc. degree in *Mechanical Engineering* and confirmed student/ research institution/ university staff member status during the period of 1.10.2025 – 31.03.2026. Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; Candidates should have a general knowledge in acoustics, signal processing, statistics. Scientific and technical reading and writing in English and experience with acoustic measurements. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English. UNESCO Member States - Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

**ID 2025A 28 AGH PL.** Interrelations between new technologies and social and economic life in globalizing world (Project title). Sociology (Discipline). Academic requirements: Candidates should have a B.Sc. or M.Sc. degree, MA degree in humanities or social sciences or economics and confirmed student/ research institution/ university staff member status during the period of 01.10.2025 - 31.03.2026 (6 months). Qualifications required: Candidates should be proficient in reading and writing in English; be not more than 32 years of age; general knowledge in world economics. AGH University of Krakow. Full address: Ave. A. Mickiewicza 30, PL 30-059 Krakow, Poland. Project duration: 6 months. Proposed starting date: 01.10.2025. Language: English.



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Table 01. Projects proposal list, UNESCO/ Poland Co-sponsored Fellowship Programme in Engineering, edition 2025A.

<b>Project number</b>	<b>Disciplines (number of positions)</b>	<b>Invited Member States per Regions</b>
ID 2025A 01 AGH PL (1) ID 2025A 02 AGH PL (1)	Biomedical Engineering (2)	Africa, Asia and the Pacific, Latin America, and the Caribbean
ID 2025A 03 AGH PL (3)	Computer and Information Sciences (3)	Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean
ID 2025A 04 AGH PL (2)	Earth and Related Environmental Sciences/ Environmental Engineering, Mining and Energy (2)	Africa, Asia and the Pacific, Latin America, and the Caribbean
ID 2025A 05 AGH PL (1) ID 2025A 06 AGH PL (1)  ID 2025A 07 AGH PL (1)  ID 2025A 08 AGH PL (1)  ID 2025A 09 AGH PL (1) ID 2025A 10 AGH PL (1) ID 2025A 11 AGH PL (1) ID 2025A 12 AGH PL (1) ID 2025A 13 AGH PL (1)	Earth and related Environmental Sciences (9)	Latin America, and the Caribbean  SE-Asia and the Pacific  Africa  Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean
ID 2025A 14 AGH PL (1) ID 2025A 15 AGH PL (1)  ID 2025A 16 AGH PL (2) ID 2025A 17 AGH PL (1) ID 2025A 18 AGH PL (1)	Environmental Engineering, Mining and Energy (5)	Asia and the Pacific, Latin America and the Caribbean  Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean.
ID 2025A 19 AGH PL (1)	Materials Engineering, Biomedical Engineering (1)	Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean.
ID 2025A 20 AGH PL (1) ID 2025A 21 AGH PL (3) ID 2025A 22 AGH PL (2)	Materials Engineering (6)	Africa, Arab State, Asia and the Pacific, Latin America and the Caribbean.
ID 2025A 23 AGH PL (2) ID 2025A 24 AGH PL (2) ID 2025A 25 AGH PL (2) ID 2025A 26 AGH PL (2) ID 2025A 27 AGH PL (1)	Mechanical Engineering (9)	Africa, Asia and the Pacific, Latin America and the Caribbean, Arab States
ID 2025A 28 AGH PL (1)	Sociology (1)	Africa, Asia and the Pacific, Latin America, and the Caribbean
Total project number: 28	Total positions in proposed projects: 39	