สำนักเลขาธิการคณะกรรมการแห่งชาติว่าด้วยการศึกษา วิทยาศาสตร์ และวัฒนธรรมแห่งสหประชาชาติ
สำนักความสัมพันธ์ต่างประเทศ สำนักงานปลัดกระทรวงศึกษาธิการ
กระทรวงศึกษาธิการ ถนนราชดำเนินนอก เขตดุสิต กรุงเทพฯ 10300
Secretariat of the Thai National Commission for UNESCO
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Ratchadamnoen Nok Avenue, Dusit, Bangkok 10300 THAILAND
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ด่วนที่สุด
ที่ ศธ ๐๒๐๕/๑๕๑๙

๑๐ เมษายน ๒๕๖๘

เรื่อง ทุนการศึกษาด้านวิศวกรรมศาสตร์ที่ร่วมสนับสนุนโดยองค์การยูเนสโกและโปแลนด์ ปี ๒๕๖๘

เรียน ปลัดกระทรวงการอุดมศึกษา วิทยาศาสตร์ วิจัยและนวัตกรรม

สิ่งที่ส่งมาด้วย สำเนาหนังสือยูเนสโก Ref: PAX/DRX/RMS/NAC/2025/027 ลงวันที่ ๓ เมษายน ๒๕๖๘

ด้วยองค์การยูเนสโกมีหนังสือแจ้งประเทศสมาชิกเกี่ยวกับทุนการศึกษาด้านวิศวกรรมศาสตร์ที่ร่วมสนับสนุนโดยองค์การยูเนสโกและโปแลนด์ (UNESCO/POLAND Co-Sponsored Fellowship Programme in Engineering, Edition 2025) ซึ่งสำนักเลขาธิการคณะกรรมการแห่งชาติว่าด้วยการศึกษา วิทยาศาสตร์ และวัฒนธรรมแห่งสหประชาชาติของสาธารณรัฐโปแลนด์ UNESCO Chair for Science, Technology and Engineering Education ของ AGH University of Krakow ได้ประกาศรับสมัครทุนการศึกษาจำนวน ๒๘ ทุน ในสาขาวิทยาศาสตร์ เทคโนโลยีและวิศวกรรมศาสตร์ โดยมีรายละเอียดดังนี้

๑. ผู้ที่ได้รับทุนการศึกษาข้างต้นจะมีโอกาสทำการวิจัยส่วนบุคคลเป็นระยะเวลา ๖ เดือน ตั้งแต่วันที่ ๑ ตุลาคม ๒๕๖๘ ถึงวันที่ ๓๑ มีนาคม ๒๕๖๙ โดยเลือกโครงการวิจัยตามรายการที่กำหนดไว้ ซึ่งมีการจำกัดอายุของผู้สมัครไม่เกิน ๓๐ - ๓๒ ปี ทั้งนี้ ทุนการศึกษาดังกล่าวเป็นการแข่งขันแบบเปิด จะคัดเลือกผู้สมัครที่ตรงตามคุณสมบัติและเกณฑ์ที่กำหนดไว้ในเอกสารภาคผนวก และให้ความสำคัญกับความเสมอภาคทางเพศ

๒. ผู้ที่ได้รับทุนการศึกษาฯ จะได้รับการสนับสนุนจากฝ่ายโปแลนด์ในการยกเว้นค่าธรรมเนียมการศึกษาและมีสิทธิ์เข้าถึงสิ่งอำนวยความสะดวกของมหาวิทยาลัย ค่าใช้จ่ายรายเดือนจำนวน ๑,๘๐๐ สว้อตตี้ สำหรับนักศึกษาระดับปริญญาตรี และจำนวน ๒,๒๐๐ สว้อตตี้ สำหรับนักศึกษาระดับปริญญาโท และค่าเบี้ยเลี้ยงพิเศษแรกเข้า จำนวน ๑,๘๐๐ สว้อตตี้ สำหรับนักศึกษาระดับปริญญาตรี และจำนวน ๒,๒๐๐ สว้อตตี้ สำหรับนักศึกษาระดับปริญญาโท ทั้งนี้ องค์การยูเนสโกจะสนับสนุนค่าบัตรโดยสารเครื่องบินระหว่างประเทศชั้นประหยัด ค่าประกันสุขภาพ และค่าเบี้ยเลี้ยงพิเศษ ๑ ครั้ง จำนวน ๑๒๐ เหรียญสหรัฐ

๓. ผู้สมัครต้องเตรียมเอกสาร ได้แก่ แบบฟอร์มที่กรอกเป็นภาษาอังกฤษอย่างสมบูรณ์โดยใช้ตัวอักษรพิมพ์ใหญ่ พร้อมใบรับรองแพทย์ รูปถ่าย สำเนาใบปริญญาระดับปริญญาตรี หรือปริญญาโท/เอก เป็นภาษาอังกฤษ ใบรับรองความรู้ด้านภาษาอังกฤษกรณีที่ภาษาแม่ของผู้สมัครไม่ใช่ภาษาอังกฤษ และจดหมายรับรองจำนวน ๒ ฉบับจากผู้ที่เกี่ยวข้องในเรื่องผลงานวิจัยและคุณสมบัติของผู้สมัคร

๔. การเสนอชื่อผู้สมัครเข้ารับทุนดังกล่าวต้องเสนอผ่านสำนักเลขาธิการคณะกรรมการแห่งชาติว่าด้วยการศึกษา วิทยาศาสตร์ และวัฒนธรรมแห่งสหประชาชาติ และนำส่งเอกสารให้ฝ่ายเลขานุการทางไปรษณีย์อิเล็กทรอนิกส์ agh.poland@unesco.org ภายในวันที่ ๑๒ พฤษภาคม ๒๕๖๘ (ก่อนเวลาเที่ยงคืนตามเวลากรุงปารีส) โดยผู้จัดจะแจ้งผลการพิจารณาให้สำนักเลขาธิการคณะกรรมการแห่งชาติว่าด้วยการศึกษาฯ แห่งสหประชาชาติทราบ

สำนักเลขาธิการ...

สำนักเลขาธิการคณะกรรมการแห่งชาติว่าด้วยการศึกษา วิทยาศาสตร์ และวัฒนธรรมแห่งสหประชาชาติ กระทรวงศึกษาธิการ จึงขอความอนุเคราะห์มายังหน่วยงานของท่านในการประชาสัมพันธ์การรับสมัครทุนการศึกษาดังกล่าว ทั้งนี้ หากมีผู้สนใจ กรุณาจัดส่งเอกสารที่ระบุไว้ข้างต้นพร้อมหนังสือนำไปยังกระทรวงศึกษาธิการ ทางไปรษณีย์อิเล็กทรอนิกส์ ajjimak@sueksa.go.th (ผู้ประสานงาน นางสาวอัจจิมา กวีญาณ นักวิเทศสัมพันธ์ชำนาญการ เบอร์โทรศัพท์ ๐๘ ๕๓๔๒ ๖๙๗๐) ภายในวันที่ **๑ พฤษภาคม ๒๕๖๘** เพื่อเสนอให้องค์การยูเนสโกพิจารณาต่อไป

จึงเรียนมาเพื่อโปรดพิจารณาให้ความอนุเคราะห์ด้วย จะขอบคุณยิ่ง

ขอแสดงความนับถือ

(นางสาวจิตรลดา จันทร์แหยม)
รักษาราชการแทนผู้อำนวยการสำนักความสัมพันธ์ต่างประเทศ
ในฐานะรองเลขาธิการคณะกรรมการแห่งชาติว่าด้วยการศึกษา
วิทยาศาสตร์ และวัฒนธรรมแห่งสหประชาชาติ

ANNEX I

UNESCO/POLAND CO-SPONSORED FELLOWSHIPS PROGRAMME IN ENGINEERING EDITION 2025

With a view to promoting human resource capacities in the developing countries and to enhancing international understanding and friendship among nations and the people of Poland, the Polish National Commission for UNESCO and the UNESCO Chair for Science, Technology and Engineering at the AGH University of Krakow have made available to UNESCO **twenty eight (28)** fellowships for a duration of **six (6)** months starting on 1st October 2025 for selected Member States listed in Annex I. Beneficiaries of these fellowships will have the opportunity to undertake an individual research programme in the field of **Science, Technology and Engineering**.

Details regarding the fellowships offered and the criteria of selection are listed below. The Polish authorities will make the final decision of selection.

A. QUALIFICATIONS REQUIRED

The required qualifications for each field of research (project) are as per the attached Annex III to this letter of announcement.

B. FACILITIES OFFERED BY THE POLISH AUTHORITIES

(i) Free tuition for six (6) months and access to the university facilities based on the local regulations.

(ii) A Monthly allowance of **1800 PLN for BSc degree students** and **2200 PLN for MSc degree students** (1 USD = approximately 4,0 PLN), payment in accordance with national taxation regulations. This allowance is intended to cover all living expenses and accommodation in Poland.

(iii) A one-time special allowance of 1800 PLN **for BSc degree students** or **2200 PLN for MSc** to be paid upon arrival in Poland, this sum will cover different activities related to your stay in Krakow, such as an obligatory medical check-up upon arrival (in accordance with the internal regulations for all students and fellows); cultural, historical and/or touristic visits, conferences, workshops, and seminars related to your studies.

No provision to finance or lodge family members is made.

At the end of the research studies, the beneficiaries will receive a certificate attesting to their attendance at the host institution, this certificate will be given after receipt of the requested reports and financial clearance from the Institution.

C. FACILITIES OFFERED BY UNESCO

(i) **International travel expenses**: (by the most direct, economical route) from the beneficiary's country to and from Poland will be covered by UNESCO.

(ii) **Health insurance for the beneficiaries who are declared medically fit**: UNESCO fellowship holders may be covered by a health insurance policy, taken out by the Organization for the duration of the fellowship. UNESCO will enrol the awarded fellows in the insurance plan and cover the associated costs.

(iii) A one-time special pocket allowance amounting to 120 (one hundred and twenty) US dollars.

D. VISA

Fellows from countries with a Polish Embassy or Consulate must obtain their entry visa for Poland before departure. Those from countries without a Polish Embassy or Consulate should secure their visa through the nearest Embassy or Consulate of the Republic of Poland.

UNESCO and the Government of the Republic of Poland **do not provide financial assistance** for passport or visa expenses. Selected beneficiaries are responsible for obtaining their own visas.

E. SUBMISSION OF APPLICATION FILES

Candidatures should be endorsed by the National Commission of the invited Member States.

Letters of endorsement and scanned copies of all required supporting documents for nominated candidates must be submitted by the National Commission for UNESCO of the candidate's country by email addressed to agh.poland@unesco.org (with uniune25@agh.edu.pl and Fellowships.Engineering@unesco.pl in copy) **by 12 May 2025 at the latest (Midnight Paris time).**

Applications must include the following supporting documents:

(i) UNESCO fellowships application forms, including medical certificate, **ALL four (4) pages** duly completed **in English using capital letters (**illegible documents will be disqualified from the evaluation process, and handwritten forms must be completed in capital letters).
(ii) A copy of the applicant's passport.
(iii) A copy of the applicant's identity photo.
(iv) Certified copies (in English) of the Bachelor's, Master's, or PhD degree obtained (with Apostille or authorised by competent authority); For countries that do not recognize the Apostille: legalization the above documents in the country of issue is required.
(v) A UNESCO certificate of language proficiency, duly completed by a relevant authority, if the candidate's mother tongue is not English.
(vi) Two letters of recommendation from people familiar with the candidate's work, confirming their qualifications (dated 2025 year).

Incomplete documentation will result in rejection of the application on formal reasons.

Upon receiving the endorsement from their National Commissions, candidates must complete and submit the information sheet at the following link.

Candidates who do not meet the above-mentioned requirements or fail to submit a complete application before the deadline will be disqualified from the selection process.

Only selected candidates will be notified of the results through their respective National Commissions for UNESCO.

IMPORTANT

National authorities are responsible for ensuring that all candidates are fully informed of the above-mentioned conditions before submitting their applications.

All correspondence should be in English only.

UNESCO/Poland Co-Sponsored Fellowships Programme in Engineering, cycle 2025/2026

List of Invited Member States (57)

AFRICA
(21 Member States)

- Angola
- Burkina Faso
- Cape Verde
- Côte d'Ivoire
- Democratic Republic of the Congo
- Eritrea
- Ethiopia
- Gabon
- Gambia
- Kenya
- Malawi
- Mali
- Mozambique
- Nigeria
- Senegal
- South Africa
- The Comoros
- The Seychelles
- Uganda
- United Republic of Tanzania
- Zambia

ARAB STATES
(2 Member State)

- Bahrain
- Iraq

ASIA AND THE PACIFIC
(22 Member States)

- Bhutan
- Brunei Darussalam
- Fiji
- Independent State of Samoa
- Kazakhstan
- Kyrgyzstan
- Mongolia
- Nauru
- Pakistan
- Palau
- Papua New Guinea
- Republic of Kiribati
- Republic of Maldives
- Tajikistan
- Thailand
- The Solomon Islands
- Tonga
- Turkmenistan
- Tuvalu
- Uzbekistan
- Vanuatu
- Viet Nam

LATIN AMERICA AND THE CARIBBEAN
(12 Member States)

- Barbados
- Cuba
- Dominican Republic
- El Salvador
- Haiti
- Jamaica
- Mexico
- Peru
- Saint Lucia
- St. Vincent and the Grenadines
- Trinidad and Tobago
- The Bahamas

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 (Pyton, 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.

List of projects and expressed interest by the potential candidates.

Submission date: 2025.01.19 (Annex 01)

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 depositas 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

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 steeroscope 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/

List of projects and expressed interest by the potential candidates.
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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 numerological 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:

List of projects and expressed interest by the potential candidates.
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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

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 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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List of projects and expressed interest by the potential candidates.

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UNESCO Member States - Africa, Asia and the Pacific, Latin America and the Caribbean. Number of fellowships with free tuition sponsored by UNESCO (max): 1.

UNESCO/ Poland Co-sponsored Fellowship Programme in Engineering, edition 2025A

List of projects and expressed interest by the potential candidates.
Submission date: 2025.01.19 (Annex 02)

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

Project number	**Disciplines (number of positions)**	**Invited Member States per Regions**
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	

UNESCO/ Poland Co-sponsored Fellowship Programme in Engineering, edition 2025A
List of projects and list of research fields. (Annex 03).
Submission date: 2025.01.19

Project No.	FIELD OF RESEARCH/PROJECT TITLE (Number of Fellowships)	LIMIT OF AGE	ACADEMIC REQUIREMENT Be proficient in reading and writing in English.
	Biomedical Engineering (2 projects)		
01	Innovative methods for distant measurement of vital signs. (1)	not more than 32 years of age	B.Sc. degree in biomedical engineering, electrical engineering, or computer science (1) 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.
02	Video-based recognition of human emotional response to a visual stimulus. (1)	not more than 32 years of age	M.Sc. degree in biomedical engineering, electrical or mechanical engineering or computer science (2) General knowledge in computer usage and programming (C++, Java etc.), electronic equipment, signal and image processing, human physiology, and measurements. Scientific and technical reading and writing in English and experience with Matlab will also be welcome.
	Computer and Information Sciences (1 project)		
	Intelligent artificial autonomous decision systems (AADS). (3)	not more than 32 years of age	B.Sc. or M.Sc. degree in computer science, mathematics, automatic control, robotics or computational physics/astrophysics/neurobiology (3) 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.
	Earth and Related Environmental Sciences/ Environmental Engineering, Mining and Energy (1 project)		
04	Application of functionalized mineral materials for sorption of inorganic and organic pollutants from aqueous solutions. (2)	not more than 32 years of age	B.Sc. degree in in chemistry, materials science, environmental engineering, environmental sciences or related scientific disciplines (4) 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.

	Earth and Related Environmental Sciences (9 projects)		
05	Geology and mineralogy of the Cu-Ag indices as a potential for the red bed type deposit in S-America. (1)	not more than 32 years of age	B.Sc. degree in geology (5) 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. A candidate with the selected samples is welcome.
06	Geology of the stratabound Cu-Ag depositas in S-America. (1)	not more than 32 years of age	B.Sc. degree in geology (6) 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.
07	Mineral characterization and evaluation of selected Cu, Sn-W (-Mo) deposit in SE Asia. (1)	not more than 30 years of age	B.Sc. degree in geology (7) 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.
08	Potential areas/deposits of one of African countries in some Cu, REE, critical resources deposit as a key for the country development. (1)	not more than 30 years of age	B.Sc. degree (8) 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.
09	Carbonatites in Eastern African rift: Mineralogical and geochemical study. (1)	not more than 32 years of age	B.Sc. degree in geology (9) 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.
10	Copper mineralization in the Central Asia metallogenic belt: Mineralogical and geochemical study. (1)	not more than 32 years of age	B.Sc. degree in geology (10) 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.
11	Mineralogical characteristics of the epithermal systems in South America. (1)	not more than 32 years of age	B.Sc. degree in geology (11) 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.

12	Assessment of geotourism potential of geological resources of selected regions in the developing countries. (1)	not more than 30 years of age	B.Sc. degree in geology (12) 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 regions of the developing country are highly recommended.
13	Biostratigraphy of deep-sea foraminiferal assemblages. (1)	not more than 32 years of age	B.Sc. degree in geology (13) 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 steeroscope microscope.
	Environmental Engineering, Mining and Energy (5 projects)		
14	Energy efficiency management of buildings. (Project title).	not more than 32 years of age	MSc. / PhD degree in mining or civil engineering related fields (14) Candidates' 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.
15	Ventilation and safety systems in tunnels and subways. (1)	not more than 32 years of age	MSc. / PhD degree in mining or civil engineering related fields (15) Candidates' 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.
16	Scalable distributed energy systems using hydrogen as an energy storage and carrier acronym (H2-off-grid-ES). (2)	not more than 32 years of age	B.Sc. degree in technical science, engineering (power engineering, electrical engineering) (16) 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 numerological 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.
17	Drilling Related Geomechanics. (1)	not more than 32 years of age	B.Sc. degree in preferably in petroleum, earth engineering, physics, IT or mathematics (17) 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.

18	Analysis of chemical composition of atmospheric aerosols in Krakow agglomeration. (1)	not more than 32 years of age	B.Sc. degree in chemistry or environmental engineering or biochemistry, environmental chemistry (18) 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.
	Materials Engineering/ Biomedical Engineering. (1 projects)		
19	Hybrid hydrogels based on natural biomaterials loaded with natural plant extract for treatment of chronic wounds. (1)	not more than 32 years of age	B.Sc. degree in material science, biomaterials engineering, biomedical engineering, and organic chemistry (19) 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.
	Materials Engineering (3 projects)		
20	Electrochemical synthesis of high entropy alloy coatings with enhanced catalytic activity and corrosion resistance. (1)	not more than 32 years of age	B.Sc. degree in materials science, or materials engineering, or metallurgy, or chemistry (20) 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.
21	Additive manufacturing of complex shape ceramic parts. (3)	not more than 32 years of age	B B.Sc. degree in materials science, chemical engineering, chemistry or mechanical engineering (21) 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.
22	Functional materials for Solid Oxide Cells in energy storage and conversion. (2)	not more than 32 years of age	B.Sc. degree in materials science or chemical engineering or chemistry (22) 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.
	Mechanical Engineering (5 projects)		
23	Automated transportation technology systems and devices. (2)	not more than 32 years of age	B.Sc. degree in engineering (23) 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.

24	Cyber-physical systems. (2)	not more than 32 years of age	B.Sc. degree in engineering (24) 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.
25	Decision-making processes in engineering. (2)	not more than 32 years of age	B.Sc. degree in engineering (25) 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.
26	Maintenance technology. (2)	not more than 32 years of age	B.Sc degree in engineering (26) 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.
27	Soundscape planning as a method of environmental noise management in a selected national park. (1)	not more than 32 years of age	B.Sc. degree in Mechanical Engineering (27) Candidates should have a general knowledge in in acoustics, signal processing, statistics, Scientific and technical reading and writing in English and experience with acoustic measurements.
	Sociology (1 project)		
28	Interrelations between new technologies and social and economic life in globalizing world. (1)	not more than 32 years of age	B.Sc. or M.Sc. degree, MA degree in humanities or social sciences or economics (28) General knowledge in world economics.
39 positions into 28 proposed projects			

United Nations Educational, Scientific and Cultural Organization

7, place de Fontenoy, 75352 Paris 07 SP
telephone: (33.1) 45.68.10.00

APPLICATION FOR FELLOWSHIP

under the
UNESCO CO-SPONSORED
FELLOWSHIPS PROGRAMME

Instructions: The application form should be submitted by the National Commission for UNESCO and each part should be answered completely and accurately. *The application should be submitted in two copies*. The information requested should be either typed or written in ink in block capitals. Where additional space is needed, a separate sheet should be used and attached in two copies.

A. Official presentation

The National Commission for UNESCO of the THAILAND presents herewith candidature of UNESCO/POLAND CO-SPONSORED FELLOWSHIPS PROGRAMME IN ENGINEERING 2025

in the field of .....

for a duration of ..... to begin .....

under Programme and/or Project .....

The National Commission for UNESCO supports the above-mentioned candidature to the Fellowships Programme.

....
Name and title of responsible officer

....

....
Date (seal) .. Signature

B. Background data concerning the candidate

Family name (surname)	First and middle names	Nationality	Occupation
.....	.....	.....	.....

Permanent address	Telephone ..... E-mail	Please attach photo here (Optional)
Mailing address (if different from above)	Telephone ..... E-mail	

Date of birth day month year	Country and place of birth	Sex
....	.....	.....

Marital status	Full name of spouse	Number and age of children	Name and address of person to notify in case of accident
.....	.....	.....	.....

Education

Name, place and country of educational establishments	Years attended		Degrees, diplomas: Indicate main subjects	Date obtained
	from	to		
Secondary, technical, etc.				
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
Post-secondary, university, or equivalent				
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....

IMPORTANT: This application is not considered complete unless accompanied by certified copies of diplomas received and academic transcripts of courses followed and grades or marks obtained

Other studies

Mention any other studies undertaken, including training/refresher courses

Fellowships and scholarships

Which of the above studies were undertaken with a fellowship or scholarship? Mention the sponsor of the grant

Visits abroad

List any significant visits abroad not mentioned above

Publications and research

List any significant publications (including publisher and date of publication) and any major research projects undertaken

Languages

Mother tongue:

Other languages	Read		Understand (spoken)		Speak		Write	
	Easily	Not easily	Easily	Not easily	Fluently	Not fluently	Easily	Not easily
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....

The UNESCO certificate of language knowledge should be completed and attached to this application

References

List three persons, not related to the candidate, who can provide information on his/her qualifications. These persons should normally be teachers or supervisors acquainted with the candidate's previous academic work

Full name	Title and address
.....	.....
.....	.....
.....	.....

Previous professional activities

Employer	Dates of service		Responsibilities
	From	To	

Present position

Name and address of employer .... Years of service From ..... To ..... Exact title of post .... Annual salary ..... Name and title of supervisor .... Name and title of UNESCO expert counterpart (if any)	Current duties

C. Training objectives

Nature of studies

Indicate field of study and particular areas of specialization	Should the studies be directed toward obtaining a diploma, degree or qualification or should the studies have mainly a practical or applied orientation?
Should the programme include preparation of a thesis or other piece of research? Is the purchase of special equipment required?	

Place(s) of study

In order of preference, suggest countries of study and list below them any preferences for institutions where the studies could be undertaken

1. **2.** **3.**
and/or and/or

(others)

For what reasons are the institutions listed above being proposed?

Mention any previous contact with these institutions and attach confirmation of admission, if available

IMPORTANT: Any further contact for the fellowship programme should be made only through UNESCO

Details of proposed studies

(If additional space is needed, separate sheets should be attached)

Give precise details of studies to be undertaken

Give realistic budget estimates for the fellowship requested (return travel, monthly allowance, tuition fees, etc.)

Expected results and future assignment

Indicate how it is envisaged to make the best use of the results achieved and specify what position will be taken up at the end of the fellowship with a description of future responsibilities

Candidate's statement

If UNESCO grants me a fellowship I agree to take up after my period of study the position to be assigned to me as described above. I certify the information I have provided is complete and accurate

_____

Candidate's signature

United Nations Educational, Scientific and Cultural Organization

7, place de Fontenoy, 75352 Paris 07 SP
telephone: (33.1) 45.68.10.00

APPLICATION FOR FELLOWSHIP

CERTIFICATE OF LANGUAGE KNOWLEDGE

Name of candidate .....

Language .....

Address of candidate .....

(1) ABILITY TO UNDERSTAND

(a) Understands without difficulty when addressed at normal rate .....
(b) Understands almost everything, if addressed slowly and carefully .....
(c) Requires frequent repetition and/or translation of words and phrases .....
(d) Does not understand spoken language .....

(2) ABILITY TO SPEAK

(a) Speaks fluently and accurately and is easily intelligible .....
(b) Speaks intelligibly, but is not fluent or altogether accurate .....
(c) Speaks haltingly, and is often at a loss for words and phrases .....

(3) ABILITY TO WRITE

(a) Writes with ease and accurately .....
(b) Writes slowly and/or with only a moderate degree of accuracy .....
(c) Writes with difficulty and makes frequent mistakes .....

(4) READING ABILITY AND COMPREHENSION

(a) Reads fluently, with full comprehension .....
(b) Reads slowly, but understands almost everything he reads .....
(c) Reads with difficulty, and only with frequent recourse to the dictionary .....
(d) Cannot read .....

(5) TECHNICAL LANGUAGE

Certain fellowships require a particular knowledge of specialized or technical language. In such cases, please evaluate candidate's ability with reference to paras. 1, 2, and 4 above.

(6) Please indicate any further facts about candidate's language knowledge which may be of value in the development of his programme:

LANGUAGE TEST HAS BEEN MADE BY

Name: .....

Title: .....

.....

Address: .....

.....

.....

Date: .....

COMMENTS: .....

.....

.....

.....

To: National Commissions for
UNESCO of Invited Member
States

CC: Permanent Delegations to.
UNESCO of invited Member
States

03 April 2025

The Assistant Director-General
for Priority Africa and External Relations a.i.

Ref: PAX/DRX/RMS/NAC/2025/027

Subject: **UNESCO/POLAND Co-Sponsored Fellowships Programme in Engineering 2025 Edition**

Dear Sir/Madam,

I am pleased to inform you that, within the framework of *the UNESCO/Poland Co-Sponsored Fellowships Programme in Engineering, Edition 2025*, the Polish National Commission for UNESCO and the UNESCO Chair for Science,Technology and Engineering Education at the AGH University of Krakow have made available to UNESCO **twenty-eight (28)** fellowships in the field of **Science, Technology and Engineering.** These Fellowships have been offered to selected Member States (see Annex I). The selected fellows will have the opportunity to undertake an individual research programme for a duration of six (6) months between 1 October 2025 and 31 March 2026.

The annexes to this letter provide detailed information regarding the qualifications required, the facilities offered, the general conditions governing the award of fellowships, the procedure for submission of applications, as well as different fields of research proposed by the host university.

This programme is offered through an open competition. Only candidates who meet the criteria and required qualifications outlined in the Annexes will be selected. Given UNESCO's strong commitment to gender equality, special consideration should be given to female candidates to ensure a balanced representation.

We would be most grateful, if you could submit the candidatures, including the application forms and all the required supporting documents by email to agh.poland@unesco.org agh.poland@unesco.org (with copy to uniune25@agh.edu.pl and Fellowships.Engineering@unesco.pl by **12 May 2025 at the latest.**

Should you need further information, please contact the National Commission and Fellowships Unit by e-mail at agh.poland@unesco.org.

Yours sincerely,

Xing Qu

United Nations Educational, Scientific and Cultural Organization
7, Place de Fontenoy 75352 Paris 07 SP France
T: +33 (0)1 45 68 10 00
www.unesco.org

Enclosures:

Annex I: Terms and Conditions)
Annex II: List of Invited Member States ed. 2025
Annex III: Project Proposal List ed. 2025
Annex IV: List field of research/ project titles as determined by the Polish authorities
AnnexV: UNESCO Fellowship Application Form and Certificate of Language Knowledge