

UNESCO/POLAND CO-SPONSORED FELLOWSHIPS PROGRAMME 2015

List of Invited Member States per region and field of research as determined by the Polish authorities

Project No.	FIELD OF RESEARCH/PROJECT TITLE (number of fellowships)	INVITED MEMBER STATES PER REGION	LIMIT OF AGE	ACADEMIC REQUIREMENT
01	Automation in Mining Devices (4) Mining devices automation	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree in engineering, mining devices, automation,
02	Automation in Transportation (2) Transport System telematics	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	Mechanical/transport engineering/automation degree
03	Decision Engineering. (2) Problem base engineering.	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree in engineering be able to use MS Office and drawing programs
04	Drilling Engineering (4) Drilling and Hydraulic fracturing simulation	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree in engineering preferably in earth engineering, petroleum or computer sciences and solving of problems using mathematic methods.
05	Economic Geology (8) Prospecting for mineral deposits in desert environment (2)	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree (05) and (06): Good skill of computer operation, MS Office. (in case of any deposit some digital data from the candidate country are welcome) (07) Basic knowledge on economic geology, mineralogy and geochemistry. Be able to work with microscopes and MS Office. (08) Good skill of computer operation, MS Office is a minion. Student should bring some samples for further investigation WDS and EDS, etc)
06	3-4 modelling of mineral deposits (2).			
07	Mineralogy and geochemistry (2)			
08	Prospecting for mineral deposits (2)			
09	Economic Sociology and Economics (1) Interrelations between new technologies and social, economic life in globalizing world.	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 35 years of age	B.Sc or M.Sc degree In humanities or Social sciences or economy General knowledge in world economics
10	Gas Engineering (4) Enhanced gas recovery (EGR) technology with CO2 sequestration in gas fields.	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 35 years of age	B.Sc or M.Sc degree In petroleum engineering, geoscience, gas engineering or mechanical engineering.
11	Geoengineering (4) Drilling parameters influence on injection performance	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree In engineering preferably in earth engineering, petroleum or computer sciences.
12	Geology and Mining (4) Analyse of use geothermal waters for energetical purposes (2).	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree 12 engineering background in one of the following fields: mining and geology, heat transfer, civil engineering.
13	Possibility of looking for the gas in unconventional reservoirs (2)	Africa, Asia and the Pacific	no more than 30 years of age	13 M.Sc degree basic knowledge on geology and reservoir engineering .
14	Geotourism (3) Assessment of geotouristics values of selected geological objects in the developing countries.	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree geology geophysics and environmental protection.
15	Iron Metallurgy (2) Identification of rheological character of liquid phases in blast furnace.	Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree in field of iron metallurgy
16	Materials Science and Ceramics (2) Glass-ceramic materials (1)	Africa, Asia and the Pacific	no more than 40 years of age	B.Sc or M.Sc degree Knowledge in ceramics engineering
17	MAX phase materials in Ti-Al-C-N system obtained by SHS method (1)	Asia and the Pacific, Latin America and the Caribbean	no more than 35 years of age	B.Sc or M.Sc degree General Knowledge in chemistry, material science and ceramics.

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18	Metallurgy (1) Vacuum refining of new steel grades	Asia and the Pacific, Latin America and the Caribbean	no more than 35 years of age	B.Sc or M.Sc degree General Knowledge in metallurgy and process control.
19	Mining and Geology (4) The deposits at the great depths	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree in mining and geoenengineering
20	Mining devises (4) Selected problems in operation of mining devices	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree in engineering, mining devices.
21	Mining Geophysics (1) Recognizing the mining discontinuity with GPR method.	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree in engineering, preferably in geophysics, applied geophysics geology. General knowledge in earth sciences mathematics and physics.
22	Nanomaterial in Sensor Technology (2) Low dimensional structures as gas sensors.	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree in engineering general knowledge in material science, electrical engineering
23	Safety and Reliability (2) Availability problems in transportation systems and devices	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree in engineering general knowledge related to transportation problems , including safety and reliability problems or be familiar with CAD/CAM/CAE programs
24	Software Engineering (2) Modeling and analysis of a multi-agent system with colored Petri nets.	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree In electrical engineering, computer science or related disciplines. Good skills in computer engineering at least one year experience with programming Java language, basic knowledge in software engineering and software modelling with the UML language, be familiar with databases design and programming, good background in mathematics.
25	Solid State Physics (2) Studies Magnetostriction In Stoichiometric and Doped Magnetite Single Crystals.	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree Physics or technical physics
26	Transport Engineering (2) Transportation technology systems and devices	Africa, Asia and the Pacific, Latin America and the Caribbean	no more than 40 years of age	B.Sc or M.Sc degree in engineering general knowledge related to transportation problems, including safety and reliability problems.
	Total courses 60			

Please refer to the list of invited Member States entitled to submit applications hereunder.

List of Invited Member States

AFRICA

(46 Member States)

- Angola
- Benin
- Botswana
- Burkina Faso
- Burundi
- Cameroon
- Cape Verde
- Central African Republic
- Chad
- Comoros
- Congo
- Côte d'Ivoire
- Democratic Republic of the Congo
- Djibouti
- Equatorial Guinea
- Eritrea
- Ethiopia
- Gabon
- Gambia
- Ghana
- Guinea
- Guinea-Bissau
- Kenya
- Lesotho
- Liberia
- Madagascar
- Malawi
- Mali
- Mauritius
- Mozambique
- Namibia
- Niger
- Nigeria
- Rwanda
- Sao Tome and Principe
- Senegal
- Seychelles
- Sierra Leone
- Somalia
- South Africa
- Swaziland
- Togo
- Uganda
- United Republic of Tanzania
- Zambia
- Zimbabwe.

ASIA AND THE PACIFIC

(35 Member States)

- Afghanistan
- Bangladesh
- Bhutan
- Brunei Darussalam
- Cambodia
- China
- Fiji
- India
- Indonesia
- Kazakhstan
- Kiribati
- Kyrgyzstan
- Lao People's Democratic Republic
- Malaysia
- Maldives
- Mongolia
- Myanmar
- Nauru
- Nepal
- Niue
- Pakistan
- Palau
- Papua New Guinea
- Philippines
- Samoa
- Sri Lanka
- Tajikistan
- Thailand
- Timor-Leste
- Tonga
- Turkmenistan
- Tuvalu
- Uzbekistan
- Vanuatu
- Viet Nam.

LATIN AMERICA AND THE CARIBBEAN

(31 Member States)

- Argentina
- Barbados
- Belize
- Bolivia (Plurinational State of)
- Brazil
- Chile
- Colombia
- Costa Rica
- Cuba
- Dominica
- Dominican Republic
- Ecuador
- El Salvador
- Grenada
- Guatemala
- Guyana
- Haiti
- Honduras
- Jamaica
- Mexico
- Nicaragua
- Panama
- Paraguay
- Peru
- Saint Kitts and Nevis
- Saint Lucia
- Saint Vincent and the Grenadines
- Suriname
- Trinidad and Tobago
- Uruguay
- Venezuela (Bolivarian Republic of)