



United Nations
Educational, Scientific and
Cultural Organization

Organisation
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Organización
de las Naciones Unidas
para la Educación,
la Ciencia y la Cultura

Организация
Объединенных Наций по
вопросам образования,
науки и культуры

منظمة الأمم المتحدة
للتربية والعلم والثقافة

联合国教育、
科学及文化组织

Sector for External Relations and Cooperation
Division des relations avec les organisations et les nouveaux partenariats

To: National Commissions for UNESCO of Invited
Member States

Permanent Delegations to UNESCO of Invited
Member States

1st March 2010

Ref. : ERC/RPO/PPF/HK/10.37

Subject: **UNESCO/POLAND Co-Sponsored Fellowships Programme 2010**

Madam/ Sir,

I am pleased to inform you that, within the framework of the UNESCO/Poland Co-Sponsored Fellowships Programme, the Polish National Commission for UNESCO has placed at disposal of certain Member States (see Annex I) fifteen (15) fellowships of six months duration in Poland starting on October 1, 2010.

The annexes to this letter provide detailed information regarding the field of studies, the qualifications required, the facilities to be offered and the procedures to be followed for the submission of applications.

This programme is offered in open competition. Only candidates with the necessary qualifications who meet the criteria stipulated in the annexes, will have a chance to be selected. The applications should reach: Mr. Ali Zaid, Chief of the Participation Programme and Fellowships Section – UNESCO – 7, place de Fontenoy – 75352 Paris 07 SP (France), **by 15 June 2010 at the latest.**

Please accept, Madam/Sir, the assurances of my highest consideration.

Ali Zaid
Chief,
Participation Programme and
Fellowships Section

cc. Polish National Commission for UNESCO
Permanent Delegation of Poland to UNESCO
UNESCO Field Offices (of invited countries)

Enc. Annex I (List of Invited Member States per field of studies)
 Annex II (Terms of Conditions)
 UNESCO Fellowship Application Form
 Certificate of language knowledge

7, place de Fontenoy
75352 Paris 07 SP, France
Tél. : +33 (0)1 45 68 15 12
Fax : +33 (0)1 45 68 55 03

E-Mail :
h.khamarou@unesco.org

Africa

1. Algeria
2. Angola
3. Benin
4. Botswana
5. Burkina Faso
6. Burundi
7. Cameroon
8. Cape Verde
9. Central African Republic
10. Chad
11. Comoros
12. Congo
13. Côte d'Ivoire
14. Democratic Republic of the Congo
15. Djibouti
16. Egypt
17. Equatorial Guinea
18. Eritrea
19. Ethiopia
20. Gabon
21. Gambia
22. Ghana
23. Guinea
24. Guinea-Bissau
25. Kenya
26. Lesotho
27. Liberia
28. Libyan Arab Jamahiriya
29. Madagascar
30. Malawi
31. Mali
32. Mauritania
33. Mauritius
34. Morocco
35. Mozambique
36. Namibia
37. Niger
38. Nigeria
39. Rwanda
40. Sao Tome and Principe
41. Senegal
42. Seychelles
43. Sierra Leone
44. Somalia
45. South Africa
46. Sudan
47. Swaziland
48. Togo
49. Tunisia
50. Uganda
51. United Republic of Tanzania
52. Zambia
53. Zimbabwe

Asia and the Pacific

1. Afghanistan
2. Australia
3. Bangladesh
4. Bhutan
5. Brunei Darussalam
6. Cambodia
7. China
8. Cook Islands
9. Democratic People's Republic of Korea
10. Fiji
11. India
12. Indonesia
13. Iran, Islamic Republic of
14. Japan
15. Kazakhstan
16. Kiribati
17. Kyrgyzstan
18. Lao People's Democratic Republic
19. Malaysia
20. Maldives
21. Marshall Islands
22. Micronesia (Federated States of)
23. Mongolia
24. Myanmar
25. Nauru
26. Nepal
27. New Zealand
28. Niue
29. Pakistan
30. Palau
31. Papua New Guinea
32. Philippines
33. Republic of Korea
34. Russian Federation
35. Samoa
36. Singapore
37. Solomon Islands
38. Sri Lanka
39. Tajikistan
40. Thailand
41. Timor-Leste
42. Tonga
43. Turkey
44. Turkmenistan
45. Tuvalu
46. Uzbekistan
47. Vanuatu
48. Viet Nam

Latin America and the Caribbean
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1. Antigua and Barbuda
2. Argentina
3. Bahamas
4. Barbados
5. Belize
6. Bolivia
7. Bolivarian Republic of Venezuela
8. Brazil
9. Chile
10. Colombia
11. Costa Rica
12. Cuba
13. Dominica
14. Dominican Republic
15. Ecuador
16. El Salvador
17. Grenada
18. Guatemala
19. Guyana
20. Haiti
21. Honduras
22. Jamaica
23. Mexico
24. Nicaragua
25. Panama
26. Paraguay
27. Peru
28. Saint Kitts and Nevis
29. Saint Lucia
30. Saint Vincent and the Grenadines
31. Suriname
32. Trinidad and Tobago
33. Uruguay

Specified countries for Programmes 6

1. Georgia
2. Ukraine

UNESCO/ POLAND CO-SPONSORED FELLOWSHIPS PROGRAMME 2010

With a view to promoting human resource capacities in the least developed countries (LDCs) and to enhancing international understanding and friendship among nations and the people of Poland, the Polish National Commission for UNESCO and the AGH International Promotion Centre for Technology and Engineering Education (AGH IPCTEE) under the auspice of UNESCO & AGH University of Science and Technology (Krakow), are placing at the disposal of UNESCO **fifteen (15)** fellowships of a six months duration starting on 1 October 2010 for the benefit of Member States listed in Annex I. Beneficiaries of these fellowships will be given the opportunity to undertake an individual research programme in the field of Science and Technology.

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

A. FIELD OF RESEARCH (for more detailed information, please see Annex III of the announcement letter)

1. *Two (2) fellowships:* **Advance Ceramic Materials;** Field of research: ceramic, Material Engineering, Material Engineering Education;
2. *One (1) fellowship:* **Assessment of geotouristic values of selected geological objects;** Field of research: Geotourism;
3. *Two (2) fellowships:* **Availability problems in transportation systems and devices;** Field of research: Mechatronics, Mechanical Engineering, Automation, Safety Education
4. *Two (2) fellowships:* **CO² Sequestration into deep saline aquifers;** Field of research: Petroleum Engineering, Hydrogeology, Petroleum Geology, Mechanics;
5. *One (1) fellowship:* **Comparison of copper polymetallic mineralization from selected sites in NW Botswana and Poland;** Field of research: Economic Geology;
6. *One (1) fellowship:* **Diverging Patterns of European Culture in the Globalizing World;** Field of research: Sociology and socio-cultural anthropology;
7. *One (1) fellowship:* **Drilling Methods of Ground Modification;** Field of research: Geoengineering;
8. *Two (2) fellowships:* **Intelligent control system and devices of operation transportation devices;** Field of research: Mechatronics, Mechanical Engineering, Automation, Transport Education;
9. *Two (2) fellowships:* **Material handling system and devices – transportation in manufacture;** Field of research: Transportation, Mechanical Engineering, Automation, Transport and Logistic;
10. *One (1) fellowship:* **Reservoir geophysics for hydrocarbon and water prospection;** Field of research: Geology Geophysics and Environmental Protection, Mechanics.

B. QUALIFICATIONS REQUIRED

Please see Annex III for a detailed explanation of requirements for each programme (as they vary from one another).

C. FACILITIES OFFERED BY THE POLISH AUTHORITIES

- (i) Free tuition;
- (ii) Monthly allowance of **1350 PLN zlotys** (approximately US\$ 450) corresponding to the salary of a local junior research fellow. Thus, all living expenses in Poland are to be borne by the fellows with this allowance; and;
- (iii) An installation allowance of **1350 PLN zlotys** to be paid upon arrival.

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.

D. FACILITIES OFFERED BY UNESCO

- (i) **International travel expenses:** (at the most economical rate) from the beneficiary's country to Poland and return will be covered by UNESCO under its Regular Programme Budget.
- (ii) **Health insurance for fellowship beneficiaries who are declared medically fit:** UNESCO fellowship holders may be covered by a special accident/ health insurance policy, taken out by the Organization for the duration of the fellowship. The costs of the health insurance is subscribed to and covered by UNESCO* on behalf of the fellows.

*** ONLY THE TWO SELECTED CANDIDATES WILL BE REQUIRED TO SEND TO THE FELLOWSHIP DEPARTMENT PROGRAMME SECTION A COMPLETE MEDICAL DOSSIER, THE PRESCRIBED FORM OF WHICH WILL BE SENT ALONG WITH THE LETTER OF AWARD.**

E. VISA

Selected fellows from countries where there are Polish Embassies or Consulates will have to obtain their entry visa in the country prior to their departure. Fellows from countries where no such Embassy/Consulate exists must secure their visa through the nearest Embassy of Poland.

UNESCO/POLAND provide no allowance to defray passport and visa expenses and the selected beneficiaries will have to secure themselves their own visa.

F. SUBMISSION OF APPLICATION FILES

One candidature per invited Member State. **Original** applications **in duplicate must** be channelled through the National Commission for UNESCO of the candidate's country and reach Mr. Ali Zaid, Chief, Participation Programme and Fellowships Section, **by 15 June 2010 at the latest**. An advance copy of the application may be sent by fax (33.1) 45.68.55.03 or by email: a.zaid@unesco.org . Applications should have **imperatively** the following attachments in **DUPLICATE**:

- (i) UNESCO fellowships application forms, duly completed **in English**;
- (ii) Two photographs attached to the applications (4x6 cm);
- (iii) Certified copies (in **English**) of Bachelor's or Master's Degree obtained; and,
- (iv) The UNESCO certificates of language knowledge, duly completed by a relevant authority, if the mother tongue of the candidate is not English.

Deadline 15 June 2010 at the latest

IMPORTANT

It is the National authority's responsibility to ensure that all candidates are duly informed of the above conditions prior to the submission of applications.

Files which are incomplete or which are received after the deadline as well as candidatures that do not fulfil the requirements will not be taken into consideration.

Only the selected candidates will receive a letter through their respective National Commissions for UNESCO.

AGH University of Science and Technology, KRAKOW, POLAND

UNESCO/Poland Fellowships 2010/2011 in Engineering

1. ***Advanced Ceramic Materials***; Field of research: *ceramic, material engineering, material engineering education*, Number of fellowships with free tuition sponsored by UNESCO: *2 from different countries - UNESCO Member States – Asia and Africa*; AGH University of Science and Technology - Faculty of Materials Science and Ceramics, *prof. dr hab. inż. Jerzy Lis*; Project duration: 6 months, Proposed starting date: 1.10. 2010
2. ***Assessment of geotouristic values of selected geological objects***; Field of research: *Geotourism*; Number of fellowships with free tuition sponsored by UNESCO: *1 from different countries - UNESCO Member States in Africa*; AGH University of Science and Technology - Faculty of Geology, Geophysics and Environmental Protection, *Prof. dr hab. inż. Tadeusz Słomka*; Project duration: 6 months, Proposed starting date: 1.10.2010
3. ***Availability problems in transportation systems and devices***; Field of research: *mechatronics, mechanical engineering, automation, safety education*; Number of fellowships with free tuition sponsored by UNESCO: *2 from different countries - UNESCO Member States in Africa, Asia, Pacific Region, Latin America, Carriaribien countries*; AGH University of Science and Technology - Faculty of Mechanical Engineering and Robotics, *prof. dr hab. inż. Janusz Szpytko*; Project duration: 6 months, Proposed starting date: 1.10.2010
4. ***CO2 sequestration into deep saline aquifers***; Field of research: *Petroleum engineering, hydrogeology, petroleum geology, mechanics*; Number of fellowships with free tuition sponsored by UNESCO: *2 from different countries – UNESCO Member States in Africa and: Kazakhstan, Ukraine, Georgia, China, Vietnam*; AGH University of Science and Technology - Faculty of Drilling, Oil and Gas, *dr hab. inż. Stanislaw Nagy, prof.AGH*; Project duration: 6 months, Proposed starting date: 1.10.2010
5. ***Comparison of copper polymetallic mineralisation from selected sites in NW Botswana and Poland***; Field of research: *Economic Geology*; Number of fellowships with free tuition sponsored by UNESCO: *1 from different countries - UNESCO Member States in Africa*; AGH University of Science and Technology - Faculty of Geology, Geophysics and Environmental Protection, *Prof. dr hab. inż. Adam Piestrzyński*; Project duration: 6 months, Proposed starting date: 1.10.2010
6. ***Diverging Patterns of European Culture in the Globalizing World***; Field of research: *sociology and socio-cultural anthropology*; Number of fellowships with free tuition sponsored by UNESCO: *1 from different countries - UNESCO Member States in Eastern Europe*; AGH University of Science and Technology - Faculty of Humanities, *prof. zw. dr hab. Janusz Mucha*; Project duration: 6 months, Proposed starting date: 1.10.2010

7. ***Drilling Methods of Ground Modification***; Field of research: *Geoengineering*; Number of fellowships with free tuition sponsored by UNESCO: *1 from different countries – UNESCO Member States in Asia*; AGH University of Science and Technology - Faculty of Drilling, Oil and Gas, dr inż. Dariusz Knez; Project duration: 6 months, Proposed starting date: 1.10.2010
8. ***Intelligent control system of operation transportation devices***; Field of research: *mechatronics, mechanical engineering, automation, transport education*; Number of fellowships with free tuition sponsored by UNESCO: 2 from different countries - UNESCO Member States in Africa and Asia, Pacific Region, Latin America, Carriaribien countries; AGH University of Science and Technology - Faculty of Mechanical Engineering and Robotics, prof. dr hab. inż. Janusz Szpytko; Project duration: 6 months, Proposed starting date: 1.10.2010
9. ***Material handling systems and devices - transportation in manufacture***; Field of research: *transportation, mechanical engineering, automation, transport and logistic*; Number of fellowships with free tuition sponsored by UNESCO: 2 from different countries - UNESCO Member States in Africa, Asia, Pacific Region, Latin America, Carriaribien countries; AGH University of Science and Technology - Faculty of Mechanical Engineering and Robotics, prof. dr hab. inż. Janusz Szpytko; Project duration: 6 months, Proposed starting date: 1.10.2010
10. ***Reservoir geophysics for hydrocarbon and water prospection***; Field of research: *Geology geophysics and environmental protection, mechanics*; Number of fellowships with free tuition sponsored by UNESCO: *1 from different countries – UNESCO Member States in Asia*; AGH University of Science and Technology - Faculty of *Geology Geophysics and Environmental Protection*, prof. dr hab. inż. Jadwiga Jarzyna; Project duration: 6 months, Proposed starting date: 1.10.2010.

AGH University of Science and Technology, KRAKOW, POLAND

1 - UNESCO/Poland Fellowships 2010 in Engineering

UNESCO/Poland - AGH 2010 Project A: promoting human resource capacities in the developing countries through intensive training and to enhancing international understanding and friendship among peoples of the world and the people of Poland

1. Project title: **Advanced Ceramic Materials**

Field of research: **ceramic, material engineering, material engineering education**
Number of fellowships with free tuition sponsored by UNESCO: **2**

2. Name of institution:

AGH University of Science and Technology,
Faculty of Materials Science and Ceramics AGH
Full address: A.Mickiewicza Av. 30, PL 30-059 Krakow, Poland

3. Name, title and full contact data of project supervisor:

Prof. dr hab. inż. Jerzy Lis
Tel.: +48 12 6172040
Fax: +48 12 6334199
E-mail cad@agh.edu.pl, lis@agh.edu.pl
www.agh.edu.pl

4. Project duration: **6 months**

Proposed starting date: **1.10. 2010 /exact date to be agreed upon by the selected fellows and host Institution/**

Language: **English**

Scientific contents: *individual research programme under supervision of tutor*

5. Developing countries: **UNESCO Member States in the Africa and Asia**

6. Academic requirements: **Candidates should have a B.Sc. or M.Sc. degree,**

7. Qualifications required:

*be proficient in reading and writing in English;
be not more than 40 years of age; and be in good health, both physically and mentally;
general knowledge in ceramic engineering*

8. Project description:

R&D results: project description optional: to design and testing in laboratory the advanced ceramic improvement in ceramic engineering

other outputs: publications, future projects

AGH University of Science and Technology, KRAKOW, POLAND

2 - UNESCO/Poland Fellowships 2010 In Engineering

UNESCO/Poland - AGH 2010 Project A: promoting human resource capacities in the developing countries through intensive training and to enhance international understanding and friendship among peoples of the world and the people of Poland

1. Project title: **Assessment of geotouristic values of selected geological objects**

Field of research: **Geotourism**

Number of fellowships with free tuition: 1

2. Name of institution:

AGH University of Science and Technology,

Faculty of Geology, Geophysics and Environmental Protection

Full address: A.Mickiewicza Av. 30, PL 30-059 Krakow, Poland

3. Name, title and full contact data of project supervisor:

Prof. dr hab. inż. Tadeusz Słomka

Tel.: +48 12 6172411

Fax: +48 12 617 23 69

E-mail: slomka@geol.agh.edu.pl

Co-supervisor: Prof. Marek Wendorff

4. Project duration: 6 months

Proposed starting date: 1.10. 2010 /exact date to be agreed upon by the selected fellows and host Institution/

Language: English

Scientific contents: *individual research programme under supervision of tutor*

5. Developing countries: UNESCO Member States in Africa

6. Academic requirements: Candidates should have a B.Sc. or M.Sc. degree in Geology

7. Qualifications required:

The successful applicant must: hold a B.Sc. or M.Sc. in Geology; have good command of written and spoken English; be not more than 45 years of age; be in good health, both physical and mental. If English is not the mother tongue of the candidate, a certificate of language proficiency must be provided.

8. Project description:

Geotourism is becoming an increasingly popular field of Geosciences. Therefore, the demand for geotouristically interesting geological objects is growing among the General Public, Governmental Institutions and Tourism Industry.

The aim of this project is to provide training based upon study of an area identified in the southern part of Poland where geological objects of geotouristic interest occur. These objects and their clusters will be surveyed, documented, their geotouristic values analysed and the results presented in maps and in the accompanying text according to the standards and practice of geotourism. Theoretical and practical introduction to the project exercise will be based upon field and literature study of several existing geotouristic sites. Subsequent fieldwork in the selected region will be followed by the desk study: analysis of the collected data, synthesis and report writing. The results will be presented during a seminar and publications.

The project will equip the student with the skills that he/she will be able to disseminate in the home country by initiating, or expanding, geotourism-related activities.

AGH University of Science and Technology, KRAKOW, POLAND

3 - UNESCO/Poland Fellowships 2010 in Engineering

UNESCO/Poland - AGH 2010 Project A: promoting human resource capacities in the developing countries through intensive training and to enhancing international understanding and friendship among peoples of the world and the people of Poland

1. Project title: **Availability problems in transportation systems and devices**

Field of research: **mechatronics, mechanical engineering, automation, safety education**
Number of fellowships with free tuition sponsored by UNESCO: **2**

2. Name of institution: **AGH University of Science and Technology,
Faculty of Mechanical Engineering and Robotics**
Full address: **A.Mickiewicza Av. 30, PL 30-059 Krakow, Poland**

3. Name, title and full contact data of project supervisor:
Prof. dr hab. inż. Janusz Szpytko
Tel.: +48 12 6173103
Fax: +48 12 6173531
E-mail szpytko@agh.edu.pl
WWW www.agh.edu.pl

4. Project duration: **6 months**
Proposed starting date: **1.10. 2010 /exact date to be agreed upon by the selected fellows and host Institution/**

Language: **English**

Scientific contents: *individual research programme under supervision of tutor*

5. Developing countries: **UNESCO Member States in Africa, Asia, Pacific Region, Latin America, Caribbean countries**

6. Academic requirements: **Candidates should have a B.Sc. or M.Sc. degree,**

7. Qualifications required: *for example*

*be proficient in reading and writing in English;
be not more than 40 years of age; and be in good health, both physically and mentally;
be able to write computer programs for example or be familiar with CAD/ CAM/ CAE programs, have a general knowledge related to transportation problems, including safety and reliability problems*

8. Project description:

project description optional: to design and testing in laboratory the availability of transportation systems and devices, to design the transportation system safety and reliability, to design and testing telematic based system of transportation system

R&D results: improvement in safety and reliability of transportation systems and devices

other outputs: publications, future projects

AGH University of Science and Technology, KRAKOW, POLAND

4 - UNESCO/Poland Fellowships 2010 in Engineering

UNESCO/Poland - AGH 2010 Project A: promoting human resource capacities in the developing countries through intensive training and to enhancing international understanding and friendship among peoples of the world and the people of Poland

1. Project title: CO2 sequestration into deep saline aquifers

Field of research: petroleum engineering, hydrogeology, petroleum geology, mechanics
Number of fellowships with free tuition: 2

2. Name of institution:

AGH University of Science and Technology

Faculty Drilling & Oil Gas

Full address: A.Mickiewicza Av. 30, PL 30-059 Krakow, Poland

3. Name, title and full contact data of project supervisor:

Stanislaw Nagy, PhD., DSc., professor of reservoir engineering & thermodynamics,

AGH Univ. of Science & Technology Krakow, Al. Mickiewicza 30, Poland

Tel.: +48 12 6172209, Fax: +48 12 6172219, E-mail stanislaw.nagy@agh.edu.pl,

www.wnig.agh.edu.pl

4. Project duration: 6 months

Proposed starting date: 1.10. 2010 /exact date to be agreed upon by the selected fellows and host Institution/

Language: English

Scientific contents: *individual research programme under supervision of tutor*

5. Developing countries: UNESCO Member States in Africa and: Kazakhstan, Ukraine, Georgia, China, Vietnam,

6. Academic requirements: Candidates should have a M.Sc. degree in (one):

- Petroleum Engineering
- Mechanics & Mathematics
- Hydrogeology
- Petroleum Geology.

7. Qualifications required:

- *English language (proficient in reading and writing in English – minimum level of FCE, technical language)*
- *copies of relevant diplomas*
- *not more than 35 years of age; and be in good health, both physically and mentally*

8. Project description:

Modeling the process of simulation of CO2 injection into deep aquifer. Risk analysis of safety sequestration process in presence of lack of geological data. Preparation of 3D geological model of CO2 storage. Use of well logs, structural and property maps and geophysical data to develop of model. Analysis of risk of leak of CO2 by wells and by artificial induction of fractures, (or) by existing faults during time of simulation. Reactivity modeling of CO2 with rock in the main formation as well as with caprock. Non isothermal CO2 injection into aquifer.

All presented aspects should be included in research report.

AGH University of Science and Technology, KRAKOW, POLAND

5 - UNESCO/Poland Fellowships 2010 In Engineering

UNESCO/Poland - AGH 2010 Project A: promoting human resource capacities in the developing countries through intensive training and to enhance international understanding and friendship among peoples of the world and the people of Poland

1. Project title: Comparison of copper polymetallic mineralisation from selected sites in NW Botswana and Poland

Field of research: **Economic Geology**
Number of fellowships with free tuition: 1

2. Name of institution:
AGH University of Science and Technology,
Faculty of Geology, Geophysics and Environmental Protection
Full address: A.Mickiewicza Av. 30, PL 30-059 Krakow, Poland

3. Name, title and full contact data of project supervisor:
Prof. dr hab. inż Adam Piestrzynski
Tel.: +48 12 6172433
Fax: +48 12 617 23 69
E-mail piestrz@geol.agh.edu.pl
Co-supervisor: Prof. Marek Wendorff

4. Project duration: 6 months
Proposed starting date: 1.10. 2010 /exact date to be agreed upon by the selected fellows and host Institution/
Language: English
Scientific contents: *individual research programme under supervision of tutor*
5. Developing countries: UNESCO Member States in Africa

6. Academic requirements: Candidates should have a B.Sc. or M.Sc. degree in Geology

7. Qualifications required:
The successful applicant must: hold a B.Sc. or M.Sc. in Geology; must have good command of written and spoken English; be not more than 45 years of age; be in good health, both physical and mental. If English is not the mother tongue of the candidate, a certificate of language proficiency must be provided.

8. Project description:

It is generally assumed that the polymetallic, sediment-hosted copper deposits of the Proterozoic Kalahari Copperbelt of Central Africa are similar to the Kupferchiefer of Poland and Germany. The aim of this project is to verify this opinion. In the course of the project work mineralogical analyses of samples of copper-bearing sedimentary rocks from selected sites in NW Botswana (the Ngamiland Province) will be analysed in the laboratory using a variety of analytical methods. These results, combined with the data on stratigraphic and sedimentological position, will be compared with the relevant data on the Polish Kupferschiefer. The results will be submitted as a report presented during a seminar and in a publication.

AGH University of Science and Technology, KRAKOW, POLAND

6 - UNESCO/Poland Fellowships 2010 in Engineering

UNESCO/Poland - AGH 2010 Project A: promoting human resource capacities in the developing countries through intensive training and to enhancing international understanding and friendship among peoples of the world and the people of Poland

1. Project title:

Diverging Patterns of European Culture in the Globalizing World

Field of research: sociology and socio-cultural anthropology

Number of fellowships with free tuition: 1

2. Name of institution:

AGH University of Science and Technology,

Faculty of Humanities

Full address: Adam Mickiewicza Av. 30, PL 30-059 Krakow, Poland

Contact address: ul. Gramatyka 8A, 30-071 Kraków, D-13 Hall.

3. Name, title and full contact data of project supervisor:

Professor Janusz Mucha

Tel.: +48 12 617-4339, 617-4350, 617-4250,

Fax: +48 12 617-4381.

E-mail [jmucha@post.pl](mailto:jmuch@post.pl), [jmucha@agh.edu.pl](mailto:jmuch@agh.edu.pl)

WWW.wh.agh.edu.pl

4. Project duration: 6 months

Proposed starting date: 1.10. 2010 /exact date to be agreed upon by the selected fellows and host Institution/

Language: English

Scientific contents: *individual research programme under supervision of tutor*

5. Developing countries (specification): UNESCO Member States in Eastern Europe

6. Academic requirements: Candidates should have MA in humanities or social sciences

7. Qualifications required:

Documents conforming the MA degree, be proficient in reading and writing in English. If the language of instruction is not the mother tongue of the candidate, a certificate of language proficiency must be provided; be not more than 45 years of age; and be in good health, both physically and mentally

8. Project description:

Diverging Patterns of European Culture in the Globalizing World

Both in Eastern Europe and in other parts of the globalizing world, various cultural patterns compete. "European culture", in all its diversity, is still one of the most important "actors" on the global scene. However, at least three simultaneous processes should be taken into account. One is unification of some cultural patterns within the global popular culture, the second is continuous diversification of European cultures and the third is the growing impact on the European cultures from the former and current "peripheries".

Participants of the project would be expected to analyze their own cultures in the context of the processes mentioned above. They would work within the Department of Sociology and Social Anthropology of the Faculty of Humanities: collaborate in project developed here, present their findings at the departmental seminars and write a report on the cultural developments in their own countries as observed from the point of view of the topic presented above.

AGH University of Science and Technology, KRAKOW, POLAND

7 - UNESCO/Poland Fellowships 2010 in Engineering

UNESCO/Poland - AGH 2010 Project A: promoting human resource capacities in the developing countries through intensive training and to enhancing international understanding and friendship among peoples of the world and the people of Poland

1. Project title: **Drilling Methods of Ground Modification**

Field of research: **Geoengineering**

Number of fellowships with free tuition: **1**

2. Name of institution:

AGH University of Science and Technology,

Drilling, Oil and Gas Faculty

Full address: A.Mickiewicza Av. 30, PL 30-059 Krakow, Poland

3. Name, title and full contact data of project supervisor:

Dariusz Knez Ph.D.

Tel.: +48 12 6173784

Fax: +48 12 6173784

E-mail knez@agh.edu.pl

WWW www.agh.edu.pl/en.

4. Project duration: **6 months**

Proposed starting date: **1.10. 2010 /exact date to be agreed upon by the selected fellows and host Institution/**

Language: **English**

Scientific contents: *individual research programme under supervision of tutor*

5. Developing countries: **UNESCO Member States in Asia**

6. Academic requirements: **Candidates should have a B.Sc. or M.Sc. degree,**

7. Qualifications required: *for example*

hold the required qualifications for admission as outlined in the course description and send us copies of relevant diplomas; be proficient in reading and writing in English. If the language of instruction is not the mother tongue of the candidate, a certificate of language proficiency must be provided; be not more than 45 years of age; and be in good health, both physically and mentally

8. Project description:

Expanding modern society requires new urban area. From sustainable development point of view the best solution is to make use of existing urban area or new one which is useless for other purposes. In second case quite often ground properties are not suitable for high buildings. Drilling methods are one of the most efficient way of ground modification. Project requires laboratory research on chosen ground properties. According to results appropriate method of ground modification has to be applied and full process has to be designed and monitored. To find best solution new mathematical model based on laboratory results is necessary. Optimization of drilling and ground reinforcement technology will be the next step. Successful candidate will work in Drilling and Geoengineering Department laboratory using standard and modern laboratory equipment. Computer skills will be an advantage.

AGH University of Science and Technology, KRAKOW, POLAND

8 - UNESCO/Poland Fellowships 2010 in Engineering

UNESCO/Poland - AGH 2010 Project A: promoting human resource capacities in the developing countries through intensive training and to enhancing international understanding and friendship among peoples of the world and the people of Poland

1. Project title:

Intelligent control system of operation transportation devices

Field of research: **mechatronics, mechanical engineering, automation, transport education**

Number of fellowships with free tuition sponsored by UNESCO: **2**

2. Name of institution:

AGH University of Science and Technology,

Faculty of Mechanical Engineering and Robotics

Full address: A.Mickiewicza Av. 30, PL 30-059 Krakow, Poland

3. Name, title and full contact data of project supervisor:

Prof. dr hab. inż. Janusz Szpytko

Tel.: +48 12 6173103

Fax: +48 12 6173531

E-mail szpytko@agh.edu.pl

www.agh.edu.pl

4. Project duration: 6 months

Proposed starting date: 1.10. 2010 /exact date to be agreed upon by the selected fellows and host Institution/

Language: English

Scientific contents: *individual research programme under supervision of tutor*

5. Developing countries: UNESCO Member States in Africa, Asia, Pacific Region, Latin America, Carriaribien countries

6. Academic requirements: Candidates should have a B.Sc. or M.Sc. degree,

7. Qualifications required:

be proficient in reading and writing in English;

be not more than 40 years of age; and be in good health, both physically and mentally;

be able to write computer programs for example in C++, ProEngineer, or be familiar with MatlabSimulink, or CA-D/M, FEM, have a general knowledge related to telematic in transportation, or construction testing and measurement

8. Project description:

project description optional: to design and testing in laboratory the intelligent control solutions of selected transportation device, to design and testing the measurement systems of selected exploitation parameters of selected transportation device, to design and testing telematic system of transportation system, to testing and re-design the rail - wheel set laboratory stand

R&D results: improvement in safety and reliability of transportation systems and devices

other outputs: publications, future projects

AGH University of Science and Technology, KRAKOW, POLAND

9 - UNESCO/Poland Fellowships 2010 In Engineering

UNESCO/Poland - AGH 2010 Project A: promoting human resource capacities in the developing countries through intensive training and to enhancing international understanding and friendship among peoples of the world and the people of Poland

1. Project title:

Material handling systems and devices - transportation in manufacture

Field of research: **transportation, mechanical engineering, automation, transport and logistic**

Number of fellowships with free tuition sponsored by UNESCO: **2**

2. Name of institution:

AGH University of Science and Technology,

Faculty of Mechanical Engineering and Robotics

Full address: A.Mickiewicza Av. 30, PL 30-059 Krakow, Poland

3. Name, title and full contact data of project supervisor:

Prof. dr hab. inż. Janusz Szpytko

Tel.: +48 12 6173103

Fax: +48 12 6173531

E-mail szpytko@agh.edu.pl

WWW .agh.edu.pl

4. Project duration: 6 months

Proposed starting date: 1.10. 2010 /exact date to be agreed upon by the selected fellows and host Institution/

Language: English

Scientific contents: *individual research programme under supervision of tutor*

5. Developing countries : UNESCO Member States in Africa, Asia, Pacific Region, Latin America, Carriaribien countries

6. Academic requirements: Candidates should have a B.Sc. or M.Sc. degree,

7. Qualifications required:

be proficient in reading and writing in English;

be not more than 40 years of age; and be in good health, both physically and mentally;

be able to write computer programs for example in ProEngineer or be familiar with MatlabSimulink (or other CA-D/E type), or 3D-CAD, have a general knowledge related to material handling devices and systems in manufacture, transport devices construction, testing and measurement, operation and service

8. Project description :

project description optional: to design and testing in laboratory the material handling solutions of selected transportation devices, to design and testing the measurement systems of selected exploitation parameters of selected transportation devices, to design and testing supervision system of transportation system, to test manufacture transportation system based on operation and maintenance needs

R&D results: improvement in material handling system and devices including safety and reliability based also on automation level of transportation system and devices

other outputs: publications, future projects

AGH University of Science and Technology, KRAKOW, POLAND

10 - UNESCO/Poland Fellowships 2010

UNESCO/Poland - AGH 2010 Project A: promoting human resource capacities in the developing countries through intensive training and to enhancing international understanding and friendship among peoples of the world and the people of Poland

1. Project title: **Reservoir geophysics for hydrocarbon and water prospection:**

Field of research: **Geology, geophysics and environmental protection, mechanics**

Number of fellowships with free tuition: 1

2. Name of institution:

AGH University of Science and Technology,

Faculty of Geology Geophysics and Environmental Protection

Full address: A. Mickiewicza Av. 30, PL 30-059 Krakow, Poland

3. Name, title and full contact data of project supervisor: **prof. dr Jadwiga Jarzyna**

Tel.: +48 12 617 24 21

Fax: +48 12 633 2936

E-mail jarzyna@uci.agh.edu.pl

4. Project duration: 6 months

Proposed starting date: 1.10. 2010 /exact date to be agreed upon by the selected fellows and host Institution/

Language: English

Scientific contents: *individual research programme under supervision of tutor*

5. Developing countries: UNESCO Member States in Asia

6. Academic requirements: B.Sc. or M.Sc.

7. Qualifications required:

reading and writing in English, basic knowledge on applied geophysics, basic knowledge on statistics

8. Project description (in English):

Project comprises methods of integrating of various geophysical and geological and petrophysical (lab) data to improve hydrocarbon and water prospection. Well logging and seismics will be the most important methods. Professional Computer systems licensed in AGH UST will be used for processing and interpretation of data. Attention will be focused on including the improved relations between various parameters into modelling of media flow in pore space. The modern Nuclear Magnetic Resonance lab measurements will be included. Project will be realised on data from Poland and origin country of candidate.



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telephone: (33.1) 45.68.10.00
telex: 204461 Paris
270602 Paris
telefax UNESCO: (33.1) 45.66.94.29

APPLICATION FOR FELLOWSHIP

under the
UNESCO FELLOWSHIPS PROGRAMME

Instructions: The application form should be submitted by the appropriate governmental body and each part should be answered completely and accurately. The application should be submitted in three 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 three copies.

A. Official presentation

The Government of ... presents herewith the candidature of ... for a UNESCO fellowship in the field of ... for a duration of ... to begin ... under Programme and/or Project ...
The undersigned certifies that it is the Government's intention to have organized a programme of study such that will permit the candidate to increase his contribution to the development of his country in the future.
If a fellowship is granted, the Government will:
(a) provide the necessary assistance to the fellow for departure to begin the study programme;
(b) assist the fellow in meeting personal and family responsibilities during the period of his fellowship by maintaining, if necessary, continuation of the whole or part of his present remuneration;
(c) facilitate employment of the fellow in the assignment mentioned in this application upon completion of the fellowship.
It is certified that information contained herein is complete and accurate.
PRESENTED FOR: BY:
(seal) Governmental unit Name and title of responsible officer
Date Signature

B. Background data concerning the candidate

Table with 4 columns: Family name (surname), First and middle names, Nationality, Occupation.
Rows include: Permanent address, Telephone, E-mail; Mailing address, Telephone, E-mail; Date of birth, 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
.....
.....
.....

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



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 Address:

Name:

Title:

..... Date:

COMMENTS:

.....

.....

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