



Section des bourses
Secteur des relations extérieures et de l'information du public

United Nations
Educational, Scientific and
Cultural Organization

Organisation
des Nations Unies
pour l'éducation,
la science et la culture

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

Aux: Commissions nationales pour l'UNESCO
des Etats membres invités
(cf. Annexe I)

Réf. : ERI/NCS/FLP/DSG/11.0246

Objet : Programme des Bourses Coparrainées UNESCO/ POLOGNE 2011-2012

Madame/Monsieur,

J'ai le plaisir de vous informer que dans le cadre du programme des bourses coparrainées de l'UNESCO/Pologne, la Commission nationale polonaise pour l'UNESCO offre **vingt-deux (22)** bourses de recherche d'une durée de **six (6)** mois débutant le 1^{er} octobre 2011, en Pologne au profit des certains Etats membres (cf. Annexe I). Les bénéficiaires de cette bourse auront l'opportunité d'entreprendre un programme de recherche dans le domaine **des Sciences et de la Technologie**.

Les annexes jointes donnent des renseignements précis sur le domaine d'études, les qualifications requises, les privilèges offerts, les règles et conditions d'attribution de ces bourses et la procédure à suivre pour la soumission des dossiers de candidatures.

Ce programme est offert par voie de concours et seuls les candidats réunissant les qualifications nécessaires et répondant aux critères stipulés dans les annexes, auront la chance d'être sélectionnés. Les candidatures doivent être adressées à: M. Ali Zaid, Chef, Section des bourses, UNESCO, 7, place de Fontenoy – 75352 Paris 07 SP (France), d'ici le **30 avril 2011 au plus tard**.

Veuillez agréer, Madame/Monsieur, l'expression de mes sentiments distingués.

Ali Zaid (M.)
Chef, Section des bourses

cc: Délégations permanentes auprès de l'UNESCO des Etats membres invités
Commission nationale polonaise pour l'UNESCO
Délégation permanente de la République de Pologne auprès de l'UNESCO
AGH Université des Sciences et Technologies (AGH - UST)
Bureaux régionaux des pays concernés
ADG/AFR
ADG/SC
ERI/MSO/ENA
ERI/MSO/APA
ERI/MSO/LAC

Pièce jointes: Annexe I (Etats Membres invites par domaine d'études)
Annexe II (Critères et conditions)
Annexe III (Qualifications requises par domaine d'études)
Formulaire UNESCO de demande de bourse
Certificat de connaissance linguistique

7, place de Fontenoy
75352 Paris 07 SP, France
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d.sengoz-gardes@unesco.org

UNESCO/ POLAND CO-SPONSORED FELLOWSHIPS PROGRAMME 2011-2012

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

Project No.	FIELD OF RESEARCH/PROJECT TITLE	INVITED MEMBER STATES PER REGION*
1	Mining Waste Management (1)	Africa, Asia and the Pacific, Latin America and the Caribbean
2	Solid State Physics (1)	Africa, Asia and Pacific, Latin America and the Caribbean
3	Geoengineering (3)	India, Bangladesh, Papua New Guinea
4	Mechanical Engineering (2)	Africa, Asia and the Pacific, Latin America and the Caribbean
5	Geology & Geophysics (1)	Asia and the Pacific
6	Ceramics & Material Engineering (3)	Africa, Asia and the Pacific
7	Manufacturing Technology Engineering (2)	Africa, Asia and the Pacific, Latin America and the Caribbean
8	Sociology & Socio-cultural Anthropology (1)	Africa, Asia and the Pacific, Europe
9	Automation & Monitoring Engineering (1)	Africa, Asia and the Pacific
10	Software Engineering (2)	Africa, Asia and the Pacific, Latin America and the Caribbean
11	Transport Engineering (2)	Africa, Asia and the Pacific, Latin America and the Caribbean
12	Gas Engineering (1)	Kazakhstan, Georgia, Ukraine, Pakistan Bangladesh, Africa, Asia and the Pacific
13	Decision Engineering (2)	Africa, Asia and the Pacific, Latin America and the Caribbean

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

AFRICA

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, Sudan, Swaziland, Togo, Uganda, United Republic of Tanzania, Zambia, and Zimbabwe.

ASIA AND THE PACIFIC

Afghanistan, Bangladesh, Bhutan, Cambodia, China, Fiji, India, Indonesia, Japan, Kazakhstan, Kiribati, Kyrgyzstan, Lao People's Democratic Republic, Macao China (Associate Member), Malaysia, Maldives, Mongolia, Myanmar, Nauru, Nepal, Niue, Pakistan, Palau, Papua New Guinea, Philippines, Russian Federation, Samoa, Sri Lanka, Tajikistan, Thailand, Timor-Leste, Tokelau (Associate Member), Tonga, Turkmenistan, Tuvalu, Uzbekistan, Vanuatu, and Viet Nam.

EUROPE

Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Republic of Moldova, Tajikistan, and Ukraine.

LATIN AMERICA AND THE CARIBBEAN

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, and Venezuela (Bolivarian Republic of).

PROGRAMME DES BOURSES COPARRAINÉES 2011-2012 UNESCO/POLOGNE

Afin de promouvoir les compétences des ressources humaines des pays en développement, et de favoriser la compréhension et l'amitié entre les nations et le peuple polonais, la Commission nationale polonaise pour l'UNESCO en accord avec l'AGH Centre de Promotion International de Technologie et d'Education Ingénieur sous les auspices de l'UNESCO (AGH IPCTEE) et de l'AGH Université des Sciences et Technologies (Cracovie), met à la disposition de l'UNESCO **vingt-deux (22)** bourses de recherche de **six(6)** mois chacune qui débiteront le 1^{er} octobre 2011. Ces bourses s'adressent aux ressortissants des Etats membres répertoriés en Annexe I. Les bénéficiaires de cette bourse auront l'opportunité d'entreprendre un programme de recherche dans le domaine **des Sciences et de la Technologie**.

Les critères et conditions de ces bourses sont indiqués ci-dessous. La sélection des bénéficiaires revient aux autorités polonaises.

A. DOMAINE DE RECHERCHE

Les domaines de recherche (disponibles seulement en anglais) sont indiqués ci-dessous (cf. Annexe III):

1. **Mining Waste Management (One Fellowship):** Mining and Mineral Processing Innovation Network for Small and Medium Sized Enterprises (SMEs) in Waste Technologies (MIN - NOVATION).
2. **Solid State Physics (One Fellowship):** Studies Magnetostriction in Stoichiometric and Doped Magnetite Single Crystals.
3. **Geo-engineering (Three Fellowships):** (1) Properties of Near Wellbore Region; (2) Simulation of Flow in Near Wellbore Region.
4. **Mechanical Engineering (Two Fellowships):** Availability Problems in Transportation Systems and Devices.
5. **Geology and Geophysics (One Fellowship):** Prospecting for Mineral Deposits in Desert Environment.
6. **Ceramic and Metal Engineering (Three Fellowships):** Advanced Ceramic Materials.
7. **Manufacturing Technology Engineering (Two Fellowships):** Transportation Technology Systems and Devices.
8. **Sociology and Socio-Cultural Anthropology (One Fellowship):** Diverging Patterns of European Culture and Technology in the Globalizing World.
9. **Automation and Monitoring Engineering (One Fellowship):** Supervisory Control and Monitoring of Transportation Processes.
10. **Software Engineering (Two Fellowships):** Smart Methodologies for Development of Software for Embedded Systems.
11. **Transport Engineering (Two Fellowships):** Transportation System Telematics.
12. **Gas Engineering (One Fellowship):** Enhanced Gas Recovery (EGR) Technology with CO² Sequestration in Gas Fields.
13. **Decision Engineering (Two Fellowships):** Problem Base Engineering.

B. QUALIFICATIONS REQUISES

Merci de vous reporter à l'Annexe III pour un descriptif détaillé des qualifications requises pour chaque programme (ces qualifications variant d'un domaine de recherche à l'autre).

C. MOYENS OFFERTS PAR LES AUTORITES POLONAISES

- (i) Frais de scolarité gratuits ;
- (ii) Allocation mensuelle de **1350 PLN zlotys** (450 \$US approximativement) pour permettre au boursier de régler entièrement toutes les dépenses liées à son séjour en Pologne (cette allocation correspond au salaire local d'un jeune chercheur); et,
- (iii) Allocation d'installation de **1350 PLN zlotys** versée à l'arrivée en Pologne.

Aucune allocation n'est prévue pour les membres de la famille du boursier.

A la fin de la bourse, l'Université ou l'établissement d'accueil délivrera aux boursiers un certificat attestant leurs études ou travaux de recherches.

D. MOYENS OFFERTS PAR L'UNESCO

- (i) **Billet aller-retour à destination de la Pologne** (au tarif le plus économique) à la charge de l'UNESCO au titre de son Programme ordinaire; et
- (ii) **Couverture médicale** : L'UNESCO souscrit une police d'assurance pour ses boursiers sélectionnés, pendant la durée de la bourse et règle directement les frais d'affiliation à l'assureur du système des Nations Unies, sous réserve d'une approbation médicale délivrée par le Service médical de l'UNESCO.

E. VISA

Les candidats sélectionnés devront obtenir, avant leur départ, un visa auprès de l'Ambassade/Consulat de Pologne de leur pays de résidence ou, le cas échéant, auprès de l'Ambassade/Consulat d'un pays voisin.

L'UNESCO et le gouvernement de République de Pologne ne prennent pas en charge les frais de visa ou de délivrance de passeport et les démarches en vue de l'obtention du visa incombent au seul boursier, l'UNESCO n'intervient pas.

F. SOUMISSION DES DOSSIERS DE CANDIDATURE

Une candidature sera acceptée par Etat membre invité. Comme à l'accoutumée, les Commissions nationales des Etats membres invités soumettront les **dossiers originaux** des candidats **en double exemplaire** à Ali Zaid, Chef, Section des bourses d'ici le 30 avril 2011 au plus tard. Une photocopie préalable peut être adressée au fax N° (33.1) 45.68.55.03. Les dossiers devront **IMPERATIVEMENT** comprendre les documents suivants en **DOUBLE EXEMPLAIRE**:

- (i) Deux (2) formulaires UNESCO de demande de bourse (**4 pages**) dûment complétés en anglais;
- (ii) Deux photographies épinglées aux formulaires (4x6 cm);
- (iii) Deux copies certifiées conformes (en anglais ou français) de la Licence ou de la Maîtrise obtenues; et,
- (iv) Deux formulaires UNESCO de connaissances linguistiques de la langue anglaise dûment complétés et attestés par un professeur ou un établissement d'accueil (pour les candidats non anglophones).

Limite de dépôt des candidatures 30 avril 2011 au plus tard

IMPORTANT

Avant toute soumission, il incombe aux autorités de s'assurer que le candidat a été instruit des conditions susmentionnées.

Les dossiers incomplets ou reçus après la date indiquée ci-dessus, de même que les candidatures ne correspondant pas aux critères requis, ne seront pas pris en considération.

Seuls, les candidats sélectionnés recevront une lettre les en informant, par l'intermédiaire de leur Commission nationale respective.



AGH University of Science and Technology, KRAKOW, POLAND
 UNESCO CHAIR FOR SCIENCE, TECHNOLOGY AND ENGINEERING EDUCATION AT
 THE AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY KRAKOW, POLAND
 A. Mickiewicza Ave 30, PL 30-059 Krakow, Poland
 E-mail: unesco@agh.edu.pl

UNESCO/Poland Co-Sponsored Fellowships 2011 - in Engineering

1. Field of research: Mining Waste Management. Project title: Mining and Mineral Processing Innovation Network for Small- and Medium- sized Enterprises in Waste Technologies (MIN-NOVATION). Project supervisor: prof. dr hab. inż. Marek Ciał. Name of institution: AGH University of Science and Technology, Krakow, Poland, Faculty of Mining and Geoengineering. Duration: 6 months from October 1, 2011, Africa, Asia, Latin America countries. Language: English. Number UNESCO fellowships: 1.
2. Field of research: Solid State Physics. Project title: Studies Magnetostriction in Stoichiometric and Doped Magnetite Single Crystals. Project supervisor: prof. dr hab. inż. Andrzej Kozłowski. Name of institution: AGH University of Science and Technology, Krakow, Poland, Faculty of Physics and Applied Computer Science. Duration: 6 months from October 1, 2011, Africa, Asia, Latin America countries. Number UNESCO fellowships: 1.
3. Field of research: Geoengineering. Project title: Properties of Near Wellbore Region. Project (2) title: Simulation of Flow in Near Wellbore Region. Project supervisor: dr inż. Dariusz Knez. Name of institution: AGH University of Science and Technology, Krakow, Poland, Faculty of Drilling, Oil and Gas. Duration: 6 months from October 1, 2011, India, Bangladesh, Papua New Guinea countries. Language: English. Number UNESCO fellowships: 3.
4. Field of research: Mechanical Engineering. Project title: Availability Problems in Transportation Systems and Devices. Project supervisor: prof. dr hab. inż. Janusz Szpytko. Name of institution: AGH University of Science and Technology, Krakow, Poland, Faculty of Mechanical Engineering and Robotics. Duration: 6 months from October 1, 2011, optional Africa, Asia, Pacific Region, Latin America, Carriaribien countries. Language: English. Number UNESCO fellowships: 2.
5. Field of research: Geology and Geophysics. Project title: Prospecting for Mineral Deposits in Desert Environment. Project supervisor: prof. dr hab. inż. Adam Piestrzyński. Name of institution: AGH University of Science and Technology, Krakow, Poland, Faculty of Geology, Geophysics and Environmental Protection. Duration: 6 months from October 1, 2011, Asia countries. Language: English. Number UNESCO fellowships: 1.
6. Field of research: Ceramic and Material Engineering. Project title: Advanced Ceramic Materials. Project supervisors: prof. dr hab. inż. Jerzy Lis; dr inż. Leszek Chlubny; dr inż. Janusz Partyka.. Name of institution: AGH University of Science and Technology, Krakow, Poland, Faculty of Materials Science and Ceramics. Duration: 6 months from October 1, 2011, optional Asia, Africa countries. Language: English. Number UNESCO fellowships: 3.
7. Field of research: Manufacturing Technology Engineering. Project title: Transportation Technology Systems and Devices. Project supervisor: prof. dr hab. inż. Janusz Szpytko. Name of institution: AGH University of Science and Technology, Krakow, Poland, Faculty of Mechanical Engineering and Robotics. Duration: 6 months from October 1, 2011, optional Africa, Asia, Pacific Region, Latin America, Carriaribien countries. Language: English. Number UNESCO fellowships: 2.
8. Field of research: Sociology and Socio-Cultural Anthropology. Project title: Diverging Patterns of European Culture and Technology in the Globalizing World. Project supervisor: Prof. zw. dr hab. Janusz Mucha. Name of institution: AGH University of Science and Technology, Krakow, Poland, Faculty of Humanities. Duration: 6 months from October 1, 2011, Eastern Europe, Africa, Asia countries. Language: English. Number UNESCO fellowships: 1.



9. Field of research: **Automation and Monitoring Engineering.** Project title: Supervisory Control And Monitoring of Transportation Processes. Project supervisor: dr inż. Jarosław Smoczek. Name of institution: AGH University of Science and Technology, Krakow, Poland, Faculty of Mechanical Engineering and Robotics. Duration: 6 months from October 1, 2011, optional Asia, Africa countries. Language: English. Number UNESCO fellowships: 1.
10. Field of research: **Software Engineering.** Project title: Smart Methodologies for Development of Software for Embedded Systems. Project supervisor: prof. dr hab. inż. Tomasz Szmuc. Name of institution: AGH University of Science and Technology, Krakow, Poland, Faculty of Electrical Engineering, Automatics, IT and Electronics. Duration: 6 months from October 1, 2011, optional Asia, Africa, Latin America countries. Language: English. Number UNESCO fellowships: 2.
11. Field of research: **Transport Engineering.** Project title: Transportation System Telematics. Project supervisor: prof. dr hab. inż. Janusz Szpytko. Name of institution: AGH University of Science and Technology, Krakow, Poland, Faculty of Mechanical Engineering and Robotics. Duration: 6 months from October 1, 2011, optional Africa, Asia, Pacific Region, Latin America, Carriaribien countries. Language: English. Number UNESCO fellowships: 2.
12. Field of research: **Gas Engineering.** Project title: Enhanced Gas Recovery (EGR) Technology with CO₂ Sequestration in Gas Fields. Project supervisor: dr hab. inż. Stanisław Nagy. Name of institution: AGH University of Science and Technology, Krakow, Poland, Faculty of Drilling and Oil-Gas. Duration: 6 months from October 1, 2011, Kazakhstan, Georgia, Ukraine, Central Asia, Middle Asia (Pakistan, Bangladesh), Africa (any country) countries. Language: English. Number UNESCO fellowships: 1.
13. Field of research: **Decision Engineering.** Project title: Problem Base Engineering. Project supervisor: prof. dr hab. inż. Janusz Szpytko. Name of institution: AGH University of Science and Technology, Krakow, Poland, UNESCO Chair for Science, Technology and Engineering Education at the AGH University of Science and Technology Krakow. Duration: 6 months from October 1 (one fellow)/ from December 1 (one fellow), 2011, optional Africa, Asia, Pacific Region, Latin America, Carriaribien countries.. Language: English. Number UNESCO fellowships: 2.

**UNESCO/Poland Co-Sponsored Fellowships 2011
in Engineering**

UNESCO AGH Chair - 2011 Project B: 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

Project No 01

Field of research: **Mining Waste Management**

1. Project title: ***Mining and Mineral Processing Innovation Network for Small- and Medium- sized Enterprises in Waste Technologies (MIN-NOVATION)***

Number of fellowships with free tuition sponsored by UNESCO: 1

2. Name of institution: ***AGH University of Science and Technology, Faculty of Mining and Geoengineering***

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. Marek CAŁA***
Tel.: +48 12 617 21-62
Fax: +48 12 423-37 60
E-mail: cala@agh.edu.pl
www.agh.edu.pl

4. Project duration: *6 months*
Proposed starting date: *1.10. 2011 /exact date to be agreed upon by the selected fellows and host Institution*
Language: *English*
Scientific contents: *individual research programme under supervision of tutor (see next page p.8)*

5. Developing countries (specification): *UNESCO Member States - Africa, Asia, Latin America countries*

6. Academic requirements: *Candidates should have a B.Sc. or M.Sc. degree, in mining and/or environmental engineering field*

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: MS Word, Excel, Power Point*

8. Project description (in English):

Project description optional:

MIN-NOVATION aims to create a trans-national network that brings together universities and other research institutions with regional business development agencies to help increase the pace and volume of mining and mineral processing waste management innovation coming out of academic and research institutions into the private sector (SMEs). Four pilot investments in mining waste recovery engineering will be implemented during the project duration in order to check their usefulness for applying in industrial scale.

R&D results:

- *establishing cooperation with other Universities and institutions being active in the mining waste management field and environmental engineering in order to exchange the knowledge and experience,*
- *strengthened international performance of innovation sources and improved links to SMEs,*
- *improving transnational transfer of technology and knowledge,*
- *improving environment and protecting natural mineral deposits thought reducing mining and processing waste and use them as product instead of natural resources.*

Other outputs:

- *workshops and conferences,*
- *reports on the status of mine waste management,*
- *compendium of technologies for waste management/prevention,*
- *guidelines and Declaration on Waste Management & Prevention,*
- *4 pilot investments with follow-up activities.*

**UNESCO/Poland Co-Sponsored Fellowships 2011
in Engineering**

UNESCO AGH Chair - 2011 Project B: 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

Project No 02

Field of research: Solid State Physics

1. Project title: ***Studies Magnetostriction in Stoichiometric and Doped Magnetite Single Crystals***

Number of fellowships with free tuition sponsored by UNESCO: 1

2. Name of institution: ***AGH University of Science and Technology, Faculty of Physics and Applied Computer Science***

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. Andrzej Kozłowski***
Tel.: +48 12 617 3809
E-mail: kozlow@agh.edu.pl
www.agh.edu.pl

4. Project duration: *6 months*
Proposed starting date: *1.10. 2011 /exact date to be agreed upon by the selected fellows and host Institution*

Language: *English*

Scientific contents: *individual research programme under supervision of tutor (see next page p.8)*

5. Developing countries (specification): *UNESCO Member States - Africa, Asia, Latin America countries*

6. Academic requirements: *Candidates should have a B.Sc. or M.Sc. degree in Physics or Technical Physics*

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;*

8. Project description:

Project description optional:

The project is to study magnetostriction in magnetite-based single crystalline materials in order to see how large the interaction of magnetic moment with the lattice is and if magnetism can participate in the interactions leading to the Verwey phase transformation at $T_V = 120K$. Crystal lattice dynamics was already shown to influence this transition. In case the strong spin-lattice coupling is present then any change in magnetism of magnetite could affect crystal structure, i.e., ultimately, the transition. The possible finding of this effect would constitute a real breakthrough in the science of magnetite since the most common opinion is that the magnetic degrees of freedom do not participate in the interactions leading to the transition. In addition to that problem, the results of magnetostriction measurements will help to better understand our recent measurements of magnetic axis switching phenomenon.

R&D results:

As above

*other outputs:
project study*

**UNESCO/Poland Co-Sponsored Fellowships 2011
in Engineering**

UNESCO AGH Chair - 2011 Project B: 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

Project No 03

Field of research: Geoengineering

1. Project title: - ***Properties of Near Wellbore Region*** (project no 1)
- ***Simulation of Flow in Near Wellbore Region*** (project no 2)

Number of fellowships with free tuition sponsored by UNESCO: **3**

2. Name of institution: **AGH University of Science and Technology, Faculty of Drilling, Oil and Gas**

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

3. Name, title and full contact data of project supervisor: **Dr inż. Dariusz Knez**
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. 2011 /exact date to be agreed upon by the selected fellows and host Institution**

Language: **English**

Scientific contents: **individual research programme under supervision of tutor (see next page p.8)**

5. Developing countries (specification): **UNESCO Member States - India, Bangladesh, Papua New Guinea**

6. Academic requirements: **Candidates should have a B.Sc. or M.Sc. degree, Preferably in earth engineering sciences.**

7. Qualifications required: **be proficient in reading and writing in English; be not more than 45 years of age; and be in good health, both physically and mentally; general knowledge in rock properties**

8. Project description:

R&D results: project description optional:

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 (1) requires laboratory research on chosen ground properties. Based on laboratory results change of near wellbore region properties will be investigated. To find best solution new mathematical model based on laboratory results is necessary. Successful candidate will work in Drilling and Geoengineering Department laboratory using standard and modern laboratory equipment. Computer skills will be an advantage.

Project (2) - Drilling methods are one of the most efficient way of ground modification. One of the most popular is sealing slurry injection into near wellbore region. Fluid flow during injection process has many important parameters that needs to be simulated. Project requires programming or computer simulation knowledge . Successful candidate will work in Drilling and Geoengineering Department writing program code to develop computer model of fluid flow in near wellbore region.

other outputs:

*laboratory research results (1)
computer program (2)
scientific paper*

**UNESCO/Poland Co-Sponsored Fellowships 2011
in Engineering**

UNESCO AGH Chair - 2011 Project B: 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

Project No 04

Field of research: **Mechanical Engineering**

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

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. 2011 /exact date to be agreed upon by the selected fellows and host Institution***

Language: ***English***

Scientific contents: ***individual research programme under supervision of tutor (see next page p.8)***

5. Developing countries (specification): ***UNESCO Member States - Africa, Asia, Latin America, Pacific Region, Caribbean 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 or be familiar with CAD/ CAM/ CAE programs, have a general knowledge related to engineering problems, including safety and reliability;***

8. Project description (in English):

Project description optional:

Technical devices and systems availability problems. To design and testing in laboratory the availability of transportation systems and devices, to design the transportation system safety and reliability.

R&D results:

Improvement in safety and reliability of transportation systems and devices

Other outputs:

Publications, future projects

**UNESCO/Poland Co-Sponsored Fellowships 2011
in Engineering**

UNESCO AGH Chair - 2011 Project B: 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

Project No 05

Field of research: Geology and Geophysics

1. Project title: ***Prospecting for mineral deposits in desert environment***

Number of fellowships with free tuition sponsored by UNESCO: 1

2. Name of institution: ***AGH University of Science and Technology, Faculty of Geology, Geophysics and Environmental Protection***

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

3. Name, title and full contact data of project supervisor: ***Prof. dr hab inż. Adam Piestrzyński***
Tel.: +48 12 617 2433
Fax: +48 12 633-29-36
E-mail piestrz@geol.agh.edu.pl
WWW www.agh.edu.pl

4. Project duration: 6 months

Proposed starting date: 1.10. 2011 /exact date to be agreed upon by the selected fellows and host Institution

Language: English

Scientific contents: individual research programme under supervision of tutor (see next page p.8)

5. Developing countries (specification): UNESCO Member States - Asia

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

7. Qualifications required: be good in reading and writing in English; be in good health, both physically and mentally;

8. Project description (in English):

R&D results:

Organization of geological works in high risk environment like Gobi desert.

Field of activities:

- satellite Landsat data collection and interpretation
- comparison of Landsat images with geology - importance
- introduction to field mapping
- understanding of geochemical prospecting in the desert environment
- deposits modes as a key for planning of field works
- selection data and prognoses of mineral deposits

Other outputs:

- introduction to mineral description and determinations
- valorization and verification of geological data base

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UNESCO AGH Chair - 2011 Project B: 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

Project No 06

Field of research: Ceramic and Material Engineering

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

Number of fellowships with free tuition sponsored by UNESCO: **3**

2. Name of institution: ***AGH University of Science and Technology, Faculty of Materials Science and Ceramics***

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

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

prof. dr hab. inż. Jerzy Lis

Tel.: +48 12 6172040
Fax: +48 12 6334199
E-mail : cad@agh.edu.pl,
lis@agh.edu.pl

dr inż. Leszek Chlubny

Tel.: +48 12 617 2667
Fax: +48 12 633 1593
E-mail: leszek@agh.edu.pl
www.agh.edu.pl

dr inż. Janusz Partyka

Tel.: +48 12 617 3654
Fax: +48 12 633 1593
E-mail: partyka@agh.edu.pl
www.agh.edu.pl

4. Project duration: ***6 months***

Proposed starting date: ***1.10. 2011 /exact date to be agreed upon by the selected fellows and host Institution***

Language: ***English***

Scientific contents: ***individual research programme under supervision of tutor (see next page p.8)***

5. Developing countries (specification): ***UNESCO Member States – 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, technology or material science***

8. Project description (in English):

Supervisors: ***prof. dr hab. inż. Jerzy Lis and dr inż. Leszek Chlubny***

project description:

- to design and testing in laboratory the advanced ceramic improvement in ceramic engineering

Other outputs:

- publications, future projects

Supervisor: ***dr inż. Janusz Partyka***

Project description:

Modern glaze, glass-ceramic coating for floor tiles: composition of glaze-ceramic coating (raw, fritted), examination basic parameters, development of composition, preparation and firing conditions.

Modification of microstructure and mechanical properties of high alumina porcelain: modification of body composition, modification of firing conditions, introduction to compositions of raw body nucleating agents.

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Project No 07

Field of research: Manufacturing Technology Engineering

1. Project title: ***Transportation technology systems and devices***

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: ***1.10.2011 /exact date to be agreed upon by the selected fellows and host Institution***

Language: ***English***

Scientific contents: ***individual research programme under supervision of tutor (see next page p.8)***

5. Developing countries (specification): ***UNESCO Member State - Africa, Asia, Latin America, Pacific Region, 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 or be familiar with CAD/ CAM/ CAE programs, have a general knowledge related to transportation problems, including designing and both operation and maintenance problems***

8. Project description (in English):

project description optional:

Manufacturing technology engineering knowledge improving. To design and testing the selected 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.

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in Engineering**

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Project No 08

Field of research: Sociology and Socio-Cultural Anthropology

1. Project title: ***Diverging Patterns of European Culture and Technology in the Globalizing World***

Number of fellowships with free tuition sponsored by UNESCO: 1

2. Name of institution: ***AGH University of Science and Technology, Faculty of Humanities***

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

3. Name, title and full contact data of project supervisor: ***Prof. zw. dr hab. Janusz Mucha***
Tel.: +48 12 617-4380, 617-4250
Fax: +48 12 617-4381
E-mail: jmuch@post.pl; jmuch@agh.edu.pl
WWW.wh.agh.edu.pl

4. Project duration: *6 months*

Proposed starting date: *1.10. 2011 /exact date to be agreed upon by the selected fellows and host Institution*

Language: *English*

Scientific contents: *individual research programme under supervision of tutor (see next page p.8)*

5. Developing countries (specification): *UNESCO Member State - Africa, Asia, Eastern Europe*

6. Academic requirements: *Candidates should have a MA degree 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 (in English):

Project description optional:

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 four simultaneous processes should be taken into account. One is unification of some cultural patters within the global popular culture, the second is continuous diversification of European cultures, the third is the growing impact on the European cultures from the former and current "peripheries", and the fourth is diffusion of technological ideas and their implementations in the fields of engineering between cultures of European origin and other cultures.

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.

R&D results:

Better understanding of cultural/technological flows between various regions of globalizing world

Other outputs:

Better understanding of the UNESCO fellow of the Polish cultural/ technological accomplishments.

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Project No 09

Field of research: **Automation and Monitoring Engineering**

1. Project title: ***Supervisory control and monitoring of transportation processes***

Number of fellowships with free tuition sponsored by UNESCO: **1**

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:

dr inż. Jarosław Smoczek
Tel.: +48 12 617 3104
Fax: +48 12 617 3531
E-mail smoczek@agh.edu.pl
www.agh.edu.pl

4. Project duration: ***6 months***

Proposed starting date: *1.10. 2011 /exact date to be agreed upon by the selected fellows and host Institution*

Language: ***English***

Scientific contents: ***individual research programme under supervision of tutor (see next page p.8)***

5. Developing countries (specification): ***UNESCO Member States - Africa, 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; be able to write computer programs for example CAD, Matlab;*

8. Project description (in English):

project description optional:
automation of transportation operations in material handling systems,
identification, modeling and simulations of transportations systems

R&D results:
knowledge and practice improvement in project subject

other outputs:
knowledge and practice improvement in project subject

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in Engineering**

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Project No 10

Field of research: Software Engineering

1. Project title: **Smart methodologies for development of software for embedded systems**

Number of fellowships with free tuition sponsored by UNESCO: 2

2. Name of institution: **AGH University of Science and Technology, Faculty of Electrical Engineering, Automatics, IT and Electronics**

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. Tomasz Szmuc

Tel.: +48 12 617 2007

Fax: +48 12 423 3570

E-mail tsz@agh.edu.pl

www.agh.edu.pl

4. Project duration: 6 months

Proposed starting date: 1.10. 2011 /exact date to be agreed upon by the selected fellows and host Institution

Language: English

Scientific contents: individual research programme under supervision of tutor (see next page p.8)

5. Developing countries (specification): UNESCO Member States- Africa, Asia, Latin America 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; good skills in computer engineering, basic knowledge in software engineering, good background in mathematics

8. Project description:

Project description optional:

The aim of the project is to incorporate verification methods to support development of correct software for embedded systems. The concept is based on introduction of parallel thread in which systematic verification of developed software artifacts will be carried out.

R&D results:

*Modification of existing software development methodology.
Software modules supporting the verification.*

Other outputs:

*Cooperation with researches working in this area.
Improvement of knowledge on Polish culture and history.*

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in Engineering**

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Project No 11

Field of research: Transport Engineering

1. Project title: ***Transportation system telematics***

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. 2011 /exact date to be agreed upon by the selected fellows and host Institution***

Language: ***English***

Scientific contents: ***individual research programme under supervision of tutor (see next page p.8)***

5. Developing countries (specification): ***UNESCO Member States-Africa, Asia, Latin America, Pacific Region Caribbean 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 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.

R&D results:

Improvement in safety and reliability of transportation systems and devices, transport telematics solutions.

Other outputs:

Publications, future projects.

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Project No 12

Field of research: Gas Engineering

1. Project title: ***Enhanced Gas Recovery (EGR) technology with CO2 sequestration in gas fields***

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

2. Name of institution: ***AGH University of Science and Technology, Faculty of Drilling and Oil-Gas***

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

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

dr hab. inż. Stanisław Nagy

Tel.: +48 12 6172209

Fax: +48 12 6172219

E-mail : Stanislaw.nagy@agh.edu.pl

www.wnig.agh.edu.pl/EN

4. Project duration: ***6 months***

Proposed starting date: ***1.10. 2011 /exact date to be agreed upon by the selected fellows and host Institution***

Language: ***English***

Scientific contents: ***individual research programme under supervision of tutor (see next page p.8)***

5. Developing countries (specification): ***UNESCO Member States – Kazakhstan, Georgia, Ukraina, Central Asia, Middle Asia (Pakistan, Bangladesh), Africa***

6. Academic requirements: ***Candidates should have a B.Sc. or M.Sc. degree in: petroleum engineering, geoscience, gas engineering or mechanical engineering***

7. Qualifications required: ***be proficient in reading and writing in English; be not more than 35 years of age; and be in good health, both physically and mentally;***

8. Project description (in English):

R&D results: project description optional:

Modeling the process of simulation of CO2 injection into gas field. Risk analysis of safety sequestration process. Preparation of 3D geological model of CO2 storage after recovery of natural gas. Use of well logs, structural and property maps and geophysics 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. All presented aspects should be included in research report.

Other outputs:

3D model of natural gas field with different scenario of gas forecasting recovery and long term CO2 sequestration model

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in Engineering**

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Project No 13

Field of research: Decision engineering

1. Project title: ***Problem base engineering***

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

2. Name of institution: ***AGH University of Science and Technology, UNESCO Chair for Science, Technology and Engineering Education at the AGH University of Science and Technology Krakow***

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: *from October 1, 2011 – 1 person, from December 1, 2011 – 1 person (exact date to be agreed upon by the selected fellows and host Institution)*

Language: ***English***

Scientific contents: ***individual research programme under supervision of tutor (see next page p.8)***

5. Developing countries (specification): ***UNESCO Member States - Africa, Asia, Latin America, Pacific Region, Caribbean 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 use MS Office and drawing programs, be familiar with CAD/ CAE programs, have a general knowledge related to engineering problems

8. Project description (in English):

Project description optional:

Project refers to creating different type of projects (engineering, higher engineering education, R&D types) in various engineering fields with use problem base learning approach and include different aspects, e.g.: finance, human resources management, industrial psychology, information systems, mathematical modeling and optimization, quality control, operations research, safety and health issues, and environmental management.

R&D results:

Background for future actions creation.

Other outputs:

publications, future projects



DEMANDE DE BOURSE

7, place de Fontenoy, 75352 Paris 07 SP
 téléphone : (33.1) 45.68.10.00
 télex: 204461 Paris
 270602 Paris
 téléfax UNESCO: (33.1) 45.66.94.29

au titre du
PROGRAMME DE BOURSES DE L'UNESCO

Instructions : Le présent formulaire doit être présenté par l'organisme gouvernemental compétent et chacune de ces parties doit être remplie complètement et avec précision. *Le formulaire doit être communiqué en trois exemplaires.* Les informations demandées doivent être soit tapées à la machine, soit manuscrites à l'encre en majuscules d'imprimerie. Lorsque l'espace est insuffisant pour contenir les informations, utiliser une feuille blanche à attacher (en trois exemplaires) au formulaire.

A. Présentation officielle

Le Gouvernement du..... présente la candidature de..... à une bourse de l'UNESCO dans le domaine..... commençant le..... pour une durée de..... au titre du Programme et/ou du Projet.....

Le signataire certifie que les directives du Gouvernement visent la définition d'un programme d'étude qui permettra au candidat d'accroître à l'avenir sa contribution au développement de son pays.

Si une bourse était attribuée, le Gouvernement :

a) donnerait au boursier les autorisations nécessaires pour se rendre dans le pays d'étude ;

b) veillerait à ce que le boursier puisse faire face à ses responsabilités personnelles et familiales pendant la durée de sa bourse en maintenant, pour autant que cela soit nécessaire, le service de tout ou partie de la rémunération du boursier ;

c) faciliterait l'emploi du boursier après la fin de la bourse au poste mentionné dans le présent formulaire.

Les informations communiquées ci-dessous sont complètes et exactes.

PRÉSENTÉ AU NOM DE : (cachet)..... Service officiel..... Date.....

PAR : Nom et titre du fonctionnaire autorisé..... Signature.....

B. Renseignements personnels concernant le candidat

Nom de famille		Prénom(s)		Nationalité	Profession
.....	
Domicile permanent			Téléphone.....		Joindre une photo (facultatif)
.....			E-mail.....		
Adresse postale (si elle diffère de la précédente).....			Téléphone.....		
.....			E-mail.....		
Date de naissance	Pays et lieu de naissance		Sexe		
jour mois année		
.....		
Situation de famille	Nom et prénom du conjoint	Nombre et âge des enfants		Nom et adresse de la personne à prévenir en cas d'accident	
.....	

Études antérieures

Établissements d'enseignement (nom, adresse et pays)	Années d'études		Diplômes, titres : Indiquer les matières principales	Date d'obten- tion
	de	à		
Secondaire, technique, etc.
Post-secondaire, universitaire ou équivalent

IMPORTANT : Pour être complète, la présente demande de bourse doit être accompagnée des copies certifiées conformes des titres obtenus et des certificats décrivant les études théoriques et pratiques suivies par le candidat (avec indication des mentions ou des notes obtenues)

Autres études

Mentionner également d'autres formes d'études telles que les stages de formation ou de perfectionnement

Bourses

Quelles sont les études mentionnées ci-dessus qui ont été effectuées grâce à une bourse ? Indiquer l'organisme qui a attribué la bourse

Séjours à l'étranger

Énumérer les séjours notables à l'étranger qui ne figurent pas ci-dessus

Publications et recherche

Énumérer tous travaux significatifs publiés (indiquer le nom de l'éditeur et la date de publication) ainsi que les principaux travaux de recherche entrepris

Connaissance des langues

Langue maternelle :

Autres langues	Lire		Comprendre la langue parlée		Parler		Rédiger	
	Couramment	Difficilement	Entièrement	Partiellement	Couramment	Difficilement	Correctement	Difficilement
.....
.....
.....

L'imprimé de l'UNESCO intitulé « Certificat de connaissances linguistiques » doit être rempli et joint à la présente demande.

Références

Indiquer trois personnes (parents et alliés exclus) qui pourraient fournir une appréciation des capacités du candidat. Ces personnes doivent normalement être des professeurs ou des directeurs d'études connaissant les travaux antérieurs du candidat.

Nom et prénom	Titre et adresse
.....
.....
.....

Informations détaillées sur les études demandées

(Si nécessaire, attacher une feuille supplémentaire)

Donner des détails précis sur la nature des connaissances qui doivent être acquises au cours de la bourse

Donner une estimation réaliste du budget à prévoir pour la bourse demandée (voyage aller-retour, allocation mensuelle, frais d'études, etc.)

Résultats escomptés et fonctions futures

Indiquer comment il est envisagé de tirer le meilleur parti des résultats obtenus et définir la fonction qui sera exercée à la fin de la bourse, en décrivant les responsabilités futures.

Déclaration du candidat

Si l'UNESCO m'attribue une bourse, je m'engage à occuper, à la fin de cette bourse, le poste qui me sera assigné, conformément aux informations données ci-dessus. Je certifie que les informations que j'ai fournies sont complètes et exactes.

Signature du candidat



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

DEMANDE DE BOURSE

CERTIFICAT DE CONNAISSANCES LINGUISTIQUES

Nom du candidat.....	Langue.....
-------------------------------	-------------

Adresse du candidat.....
.....

(1) APTITUDE À COMPRENDRE

- a) Comprend sans peine quand on lui parle à une cadence normale.....
- b) Comprend presque tout quand on lui parle lentement et distinctement.....
- c) Doit faire répéter et/ou traduire un grand nombre de mots ou d'expressions.....
- d) Ne comprend pas la langue parlée.....

(2) APTITUDE À PARLER

- a) Parle couramment, correctement, et se fait comprendre sans peine.....
- b) Se fait comprendre, mais ne parle pas couramment ni de manière absolument correcte.....
- c) Hésite en parlant et cherche souvent ses mots.....

(3) APTITUDE À ÉCRIRE

- a) Écrit facilement et correctement.....
- b) Écrit lentement et/ou commet certaines erreurs.....
- c) Écrit difficilement et fait de nombreuses fautes.....

(4) APTITUDE À LIRE ET À COMPRENDRE LES TEXTES

- a) Lit couramment et comprend tout ce qu'il lit.....
- b) Lit lentement, mais comprend presque tout ce qu'il lit.....
- c) Lit difficilement, et doit souvent avoir recours au dictionnaire.....
- d) Incapable de lire.....

(5) VOCABULAIRE TECHNIQUE

Certains boursiers ont besoin de connaître un vocabulaire technique ou spécialisé. Le cas échéant, évaluez les aptitudes que le candidat possède à cet égard dans les domaines visés aux rubriques 1, 2 et 4 ci-dessus.

(6) Veuillez fournir sur les connaissances linguistiques du candidat, toutes autres précisions qui peuvent présenter de l'intérêt pour la mise au point de son programme d'études :

EXAMINATEUR Adresse :.....

Nom :.....

Qualité :.....

Date :.....

OBSERVATIONS :

.....

.....