



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
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UNESCO AGH Fellowships ed. 2012-B in Engineering
Project Proposal for 6 months

Naukowa oferta stypendialna UNESCO - AGH 2012 B
dla młodych naukowców z krajów rozwijających

UNESCO - AGH 2012 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

(in English only)

1. Project title:noble metals in porphyry copper deposits in Chile.
Field of research: ...Geology, economic geology.....
Number of fellowships with free tuition sponsored by UNESCO:
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 and Surname, title and full contact data of project supervisor:
... ..*Prof. PhD eng. Adam Piestrzynski*... ..
Tel.: +48 12 ...6172433
Fax: +48 12
E-mail*piestrz@geol.agh.edu.pl*.....
WWW
4. Project duration: 6 months
Proposed starting date: 1.10. 2012 (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 page p.8)*
5. Developing countries (specification): *UNESCO Member States - please specify countries or region (Asia, Africa, Latin America, Caribbean and Pacific)*
Chile or Peru.....
6. Academic requirements: Candidates should have a B.Sc. or M.Sc. degree,
please specify in more details B.Sc. minimum, much better M.Sc degree
.....

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7. Qualifications required: for example

*be proficient in reading and writing in English;
be not more than ... 25. years of age; and be in good health, both physically and mentally;
others please specify if any references from home University, supervisor
general knowledge in mineral deposits, ore mineralogy.*

8. Project description (in English):

*R&D results: project description optional: PGM's are very well documented in both:
ultramafic Ni-Cu-Fe sulphide deposit and ultramafic chromites related deposits and
described in many monographs.*

*PGM's in porphyry coppers have been found in Philippines and first time described in
1994 (Plestrzynski et al. Mineralogia Polonica vol.25/2). Recently PGM's were described
only in a few places e.g. in Bulgaria. Therefore it is still possible to find a new places
enrich in gold and PGM's. However it also required detailed study of concentrates
obtained in Cu-Au-porphyry deposit and some selected samples of a hand size collected in
more silicified sections in the same deposits.*

*other outputs: it is necessary that candidate should first contact AGH supervisor to
discuss details of the project.*

9. Others information: *any skill in an optical ore petrography is recommended*

Stamp of the AGH UST Faculty

Project Supervisor
(signature)



Dean of the Faculty
(signature and stamp)

DZIEKAN

prof. dr hab. inż. Jacek Malyszkiewicz

Place and date: Krakow, ...14.02, 2012