



AGH University of Science and Technology, KRAKOW, POLAND

UNESCO Fellowships 2012 in Engineering

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

UNESCO - AGH 2012 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:Copper and associated mineralization and its lithostratigraphical and tectonic context in the Neoproterozoic succession from selected sites in NW Botswana.

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: 30 Mickiewicza Ave., PL 30-059 Krakow, Poland

3. Name, title and full contact data of project supervisor: Prof. dr hab. eng. Adam Piestrzynski

Tel.: +48 12 6172433.....

Fax: +48 12

E-mail .piestrz@geol.agh.edu.pl.....

WWW

Co-supervisor: Prof. Marek Wendorff

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 next page)

5. Developing countries (specification): ..Botswana.....
.....Namibia.....

6. Academic requirements: Candidates will 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 with the appropriate courses in Mineralogy, Economic Geology, Metamorphic Petrology or cognate subjects completed and examinations passed with very good marks; 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:

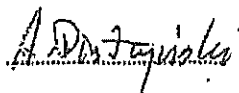
Neoproterozoic sediment-hosted polymetallic deposits of the Kalahari Copperbelt in NW Botswana (the Ngamiland Province) and correlative parts of Namibia are now a target of vigorous exploration and research. They are hosted in a rock succession correlative to the Central African Copperbelt. The aim of this project is to investigate a series of rock samples from NW Botswana to specify the copper mineralisation as well as the lithology and petrology of the host rocks in the context of lithostratigraphy and tectonics. The analysed samples will represent selected sites in NW Botswana. In the course of the project work mineralogical analyses of the provided rock samples will be analysed in the laboratory using a variety of analytical methods. These results, combined with the data on stratigraphic, tectonic and sedimentological position, will be collated and compared with the relevant literature data from other localities in the region. The results will be submitted as a report presented during a seminar. If the results are sufficiently valuable, they will be presented at a conference and in a publication.

9. Other information:

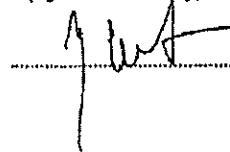
none

Stamp of the AGH UST Faculty

Project Supervisor
(signature)



Dean of the Faculty
(signature and stamp)



Place and date: Krakow, February 18, 2012