



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 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)

1. Project title: *Problem base engineering*
Field of research: *Decision 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 12 617 5109
Fax: +48 12 617 5108
E-mail: *szpytko@agh.edu.pl*
www.agh.edu.pl
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 p.8)*
5. Developing countries (specification): *UNESCO Member States please specify if any
Africa, Asia, Pacific Region, Latin America, Caribbean countries*
6. Academic requirements: Candidates should have a B.Sc. or M.Sc. degree,
please specify in more details

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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 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

Stamp of the AGH UST Faculty

Project Supervisor
(signature)

Prof. dr hab. inż. Janusz Szpytko

Dean of the Faculty
(signature and stamp)

Place and date: Krakow, January 31, 2012

Akademia Górniczo-Hutnicza
Im. Stanisława Staszica w Krakowie
Centrum Międzynarodowej Promocji
Technologii i Edukacji AGH - UNESCO
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