



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: *Availability problems in transportation systems and devices*

Field of research: *Engineering Technology, Transport Engineering, 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.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 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 (in English):

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

9. Others information:

Stamp of the AGH UST Faculty

Project Supervisor
(signature)

Prof. dr hab. inż. Janusz Szpytko

Place and date: Krakow, January 31, 2012

Dean of the Faculty
(signature and stamp)

prof. dr hab. inż. Janusz Kowal

AKADEMIA GÓRNICZO-HUTNICZA
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