



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 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: Smart methodologies for software development
Field of research: Software Engineering
Number of fellowships with free tuition sponsored by UNESCO:

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

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

3. Name and Surname, title and full contact data of project supervisor:
Prof. dr hab. Tomasz Szumac
Tel.: +48 12 888 20 07
Fax: +48 12 423 35 70
E-mail: tsz@agh.edu.pl
WWW: 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 page p.8)*

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

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

7. Qualifications required:

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*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;
good skills in computer programming, basic knowledge in software engineering, good
background in mathematics*

8. Project description (in English):

project description optional:

The aim of the project is to incorporate verification methods to support development of correct software for specific 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:

1. Modifications of existing software development methodology.
2. Software modules supporting the verification.

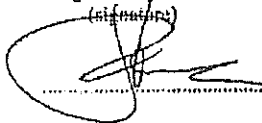
other outputs:

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

9. Others information:

Stamp of the AGH UST Faculty

Project Supervisor

(signature)


Dean of the Faculty
(signature and stamp)

AKADEMIA GÓRNICZO-HUTNICZA
im. Stanisława Staszica
30-059 Kraków, Al. Mickiewicza 30

Place and date: Krakow, February 9, 2012