FIPSE Database

40 YEARS FIPSE

INNOVATION in EDUCATION

Florida Institute of Technology   *Return*

Dual-Degree Program in Sensor Technology and Robotic Systems

PDF *Print*

Grant Number: P116J060017

Start Date: 09/01/2006

End Date: 08/31/2011

Funding: $423,000.00

Partners: Budapesti Muszaki és Gazdaságtudományi Egyetem, Budapest, Hungary
                École Royale Militaire, Bruxelles, Belgium

EU-U.S. Atlantis Program

Charles Bostater
Project Director
U.S. Lead
Florida Institute of Technology
College of Engineering
150 West University Blvd.
Melbourne, FL 32901
Tel: 321-674-7113, 321-258-9134
Fax: 321-600-9412

E-mail:
cbostate@fit.edu
View Personal Web Site

Balint Kiss
European Lead
Budapesti Muszaki és
Gazdaságtudományi Egyetem
(Budapest University of and
Economics)
Dept. of Control Engineering &
Information Technology
bldg. I, room B422 (aile B, 4th flour)
Irányítástechnika és Informatika
Tanszék, Magyar tudósok krt. 2.
Budapest, Hungary H1117
Tel: +36304009373
Fax: +361 4632204

E-mail:
bkiss@iit.bme.hu
View Personal Web Site

Yvan Baudoin
European Partner
École Royale Militaire
Avenue de la Renaissance 30 1000
Bruxelles, Belgium
Tel: 0032 (0) 2 742 65 53
Fax: 0032 (0) 2 742 6547

E-mail:
yvan.baudoin@rma.ac.be
View Personal Web Site

2011 Abstract

A U.S. and two EU universities have developed a world-class "open international consortium" (OIC) for undergraduate students to obtain transatlantic double degrees in engineering with specialization in the field of "remote sensing technology and robotics" - Sensor Technononology and Robotic Systems (STARS). This project includes bilateral student exchanges (three semesters totalling 15 months) for study abroad and faculty exchanges. Undergraduate and graduate dual degrees are selected at the institutions and credit recognition utilizes the existing international admissions procedures currently being used at all partner institutions. Use of the existing admissions process and credit transfer process has ensured "open and equal opportunity" for all applying students. This STARS program develops future professionals with demonstrated international language, cultural, and engineering skills necessary for helping our emerging professional workforce to support "safe" environments internationally. This project is a collaboration between Florida Institute of Technology (FIT), Budapest University of Technology and Economics (BME), and the Belgium Rotal Military Academy (RMA) in Brussels. This project includes bilateral student exchanges (three semesters totaling 12 months) for study abroad in electrical engineering, computer engineering, computer science and earth remote sensing. The above accredited degrees are selected at the institutions by students. Courses have been evaluated and a database of transfer course credits and equivalenices were developed during the project. This dual degree project will provide future professionals with demonstrated international language, cultural, and engineering skills necessary for helping our emerging professional workforce to support safe environments internationally. Continuation of the program for one semester exchanges was developed and is being implemented beyond the funding period to help attract students for continuation in the dual degree program.

Organization Type: Private College or University

Institution Type: Doctoral

ONLINE REFERENCES:

Atlantis STARS project portal for Sensing Technology and Robotic Systems http://stars.iit.bme.hu

Course Descriptions From the OIC R3D2 FIPSE-EU
Project http://sirkan.iit.bme.hu/oicr3d2/dokeos/index.php?include=Course_descriptions_english.html

E Learning Portal for the Open International Curriculum in
R3D2 http://sirkan.iit.bme.hu/oicr3d2/dokeos/

Links to various Remote Sensing Technology and Robotic Sysytem (STARS)
Organizations http://www.iit.bme.hu/~bkiss/USEUprojectFrames/USEUproject.htm

OIC Remote Sensing, Robotics & Risk Assessment Project
Site http://www.iit.bme.hu/~bkiss/USEUprojectFrames/USEUproject.htm

Slide Show on the Previous FIPSE-EU OIC_R3_D2 International
Consortium http://www.iit.bme.hu/~bkiss/USEUprojectFrames/OIC_R3_D2_slideshow_files/frame.htm

Website for the Global Climbing & Walking Robotics Organization http://www.clawar.org/

SUBJECTS:

Computer Science and Information Technology

Engineering

Environmental Sciences

International Education

Interdisciplinary Studies

STEM

Natural Resources

Subject Key:

Highly relevant

Relevant

Slightly relevant