



Florida Institute of Technology

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Open International Curriculum: Remote Sensing Systems, Robotics and Risk Assessment for Humanitarian Demining and UXO Detection (OIC-R3-D2)
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Grant Number: P116J040029

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Partners: Budapesti Műszaki és Gazdaságtudományi Egyetem, Budapest, Hungary
 Cornell University, Ithaca, NY
 École Royale Militaire - Patrimoine, Brussels, Belgium
 University of Leeds, Leeds, United Kingdom
 University of Michigan - Ann Arbor, Ann Arbor, MI

EU-U.S. Atlantis Program

2007 Abstract

Partners: Cornell University (New York); University of Michigan-Ann Arbor (Michigan); Budapesti Műszaki és Gazdaságtudományi Egyetem (Hungary); École Royale Militaire (Belgium); University of Leeds (United Kingdom).

There is no international interdisciplinary curriculum that directly focuses on remote sensing systems, moving robotic (mechatronic) platforms, and system risks or uncertainties associated with the detection of unexploded ordnance (UXO) and humanitarian de-mining. This consortium is developing, through complementary meeting activities, accredited curricula that will include e-learning and distance learning for use at transatlantic higher educational institutions and by vocational and public and private institutions.

The two-year project includes not only a curriculum with accredited transparent credit exchange but also the sustainability of the curriculum for deployment at the member institutions. This product-based, complementary activities project will help to develop the international and interdisciplinary talent that is necessary today, as well as in the future, to meet the needs of securing "sustainable safe environments," which will foster future international mobility. The curriculum development will be Accreditation Board for Engineering and Technology (ABET) approvable. It will challenge future students to obtain one of the richest and brightest career paths available today in our technologically complex world. The curriculum we propose to develop will challenge students to integrate knowledge that cannot be obtained in any one institutional curriculum in existence today, anywhere in the world.

Organization Type: Private College or University

Institution Type: Doctoral

ONLINE REFERENCE:

Project Web Site <http://www.iit.bme.hu/~bkiss/USEUprojectFrames/USEUproject.htm>

SUBJECTS:

- Interdisciplinary Studies
- Engineering
- Environmental Sciences
- STEM
- Sustainable Development

Subject Key:

- Highly relevant
- Relevant
- Slightly relevant

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