

IARP HUDEM'2011
TUESDAY 26 April
Moderator : Yvan BAUDOIN, Andrzej MASLOWSKI

- 15.30-15.45H Ahmet Shala, Xhevahir Bajrami, Rame Likaj (University of Pristina-Kosovo) : **design and simulation of an autopilot by using fuzzy logic controllers**
- 15.45-16.00H Daniela Doroftei, Eric Colon (Royal Military Academy-Belgium): **decentralized multi-robot coordination for a risky surveillance application.**
- 16.00-16.15H Andrzej Kaczmarczyk, Marek Kaprzak, Andrzej Maslowski (Institute of mathematical machines-Poland): **E-training in robot application**
- 16.15-16.30H Roemi Fernandez, Carlota Salinas, Hector Montes, Manuel Armada (CSIC-UPM, Spain): **Omni-directional stereo-tracking system for humanitarian demining**
- 16.30-16.45H Geert De Cubber, Daniela Doroftei (RMA-Belgium): **Multimodal terrain analysis for an all-terrain crisis Management Robot**
- 16.45-17.00H Janusz Bedkowski, Andrzej Maslowski (IMM- Poland): **Semantic simulation for mobile robot operator training**
- 17.00-17.15H Marin Grudev Midilev (Bulgaria): **Unified robots and unified tools to Robotic Complexes for demining of minefields**
- 17.15-17.30H Marcin Szczepaniak, Ph.D. Eng.; Dariusz Sapija, MSc (WITI, Poland): **Directions of research&development works lead by the Military Institute of Engineer Technology in the area of mineclearance**
- 17.30-17.45H Matthew Valente¹, Jonathan Lipenette. and Thrishantha Nanayakkara² (School of Engineering and Applied Sciences, Harvard University, Cambridge- USA, King's College, University of London, London, UK):
Careful walking in soft terrain conditions with deformable robots
- 17.45-18.00H Emanuela Elisa Cepolina (Snail-Aid, Italy): **In-field tests of LOCOSTRA Tractor in Jordan**
- 18.00-18.15H Marcin Szczepaniak, Ph.D. Eng.; Michał Ludas, Maj. MSc. (WITI, Poland): **Demonstrator of a mobile multisensor Hazardous items detection system**
- 18.30-18.50H Y.Baudoin (RMA-Belgium) **TIRAMISU Integrated toolbox for humanitarian Demining**: a FP7 project.

1	Design and Simulation of an Autopilot by using Fuzzy Logic Controllers	AHMET SHALA; XHEVAHIR BAJRAMI; RAMË LIKAJ Faculty of Mechanical Engineering, University of Pristina, Bregu i Diellit, P.n., Pristina, KOSOVO	ahmetshala_2000@yahoo.com , xhbajrami@yahoo.com , ramelikaj@yahoo.com
2	Decentralized Multi-Robot Coordination for a Risky Surveillance Application	Daniela Doroftei, Eric Colon Royal Military Academy Brussels	Daniela.doroftei@rma.ac.be
3	E-training in robot application	Andrzej Kaczmarczyk, Marek Kaprzak, Andrzej Maslowski Institute of Mathematical	amaslowski@piap.pl ; a.maslowski@imm.org.pl ;

		Machines, Warsaw, Poland	
4	Omnidirectional stereo tracking system for Humanitarian demining	ROEMI FERNÁNDEZ*, CA7RLOTA SALINAS, HÉCTOR MONTES, MANUEL ARMADA <i>Centre for Automation and Robotics (CSIC-UPM), Ctra. Campo Real, Km. 0.200, 28500 Arganda del Rey Madrid, Spain</i>	roemi@iai.csic.es
5	Multimodal terrain analysis for an all-terrain crisis Management Robot	Geert De Cubber, Daniela Doroftei Royal Military Academy Brussels	Geert.de.cubber@rma.ac.be
6	Semantic simulation for mobile robot operator training	Janusz Bedkowski, Andrzej Maslowski Institute of Mathematical Machines, Warsaw, Poland	JanuszBedkowski@gmail.com
7	Unified robots and unified tools to Robotic Complexes for demining of minefields	Marin Grudev Midilev - Bulgaria	midilev@abv.bg
8	Careful walking in soft terrain conditions with deformable robots	Matthew Valente ¹ and Thrishantha Nanayakkara, Jonathan Lipenette. ² ¹ School of Engineering and Applied Sciences, Harvard University, Cambridge, MA, 02138, USA, ² Division of Engineering, King's College, University of London, London, WC2R 2LS, UK	thrish@seas.harvard.edu
9	In-field tests of LOCOSTRA Tractor in Jordan	Emanuela Elisa Cepolina	patfordemining@gmail.com
10	Directions of research & development works lead by the Military Institute of Engineer Technology in the area of mineclearance	Marcin Szczepaniak, Ph.D. Eng.; Dariusz Sapija, MSc. WITI, Poland	szczepaniak@witi.wroc.pl
11	Demonstrator of a mobile multisensor Hazardous items detection system	Marcin Szczepaniak, Ph.D. Eng.; Michał Ludas, Maj. MSc. WITI, Poland	szczepaniak@witi.wroc.pl
12	TIRAMISU: an integrated toolbox for humanitarian de-mining: FP7 Project	Yvan Baudoin, et Al Royal Military Academy	Yvan.baudoin@rma.ac.be