



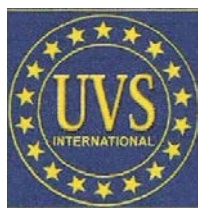
8th International Advanced Robotics Program IARP-RISE'2017 on

Risky Interventions and Environmental Surveillance
2017 Topics: Counter Terroristic Technology

18-19 May 2017

Les Bons Villers (CHARLEROI)
Belgium

Call for Papers



Several key documents define the strategy of the European Union against terrorist activities. The *European Counter-Terrorism Strategy* (2005) and the *EU Internal Security Strategy in Action* (2010) are among the most important and they have been complemented by the *EU Programme for Critical Infrastructure Protection* (2006). They all organise a coordinated response to the terrorist threat around four keywords: *Prevent, Protect, Pursue* and *Respond*. These four pillars will be considered in the particular context of the provision of assistance through technology generically and, robotic systems in particular. According to their specific objectives, three partners decided to get their expertise through this first international workshop.

Robotics solutions properly sized with suitable modularized mechanized structures and well adapted to local conditions of unstructured, sometimes unknown fields can greatly improve the safety and the security of personnel as well as work efficiency, productivity and flexibility. Solving this problem presents challenges in robotic mechanics and mobility, sensors and sensor fusion, autonomous or semi-autonomous navigation and machine intelligence.

Solving this problem also requires a detailed study of the risky events (among which are included the terroristic threats, among others the use of UAV/USV) and the In-intervention-Practitioners needs.

The workshop will review and discuss the available risky intervention/environmental surveillance technologies along with their limitations and discusses the efforts to automate tasks related to management/ reconnaissance / detection / decontamination / neutralization process wherever possible through robotization and automated procedures. Specific topics include, but are not limited to:

- Global Security Threats
- Inspection of disaster's areas (Forensics, among others)
- CBRN-E threats,
- Mine Actions , C-IED, **C-UV-borne ED**
- Map building and reconstruction
- Networked crisis management tools
- Remote controlled, semi-autonomous, autonomous Robotics Systems (UGV, UAV-RPAS, USV)
- Networked Sensors Systems

Time Schedule for Paper Submission

Contributions should focus on theories, principles and developments which have been explicitly developed for (terrestrial, aerial, underwater) robots , and carried sensor systems for environmental surveillance, risky interventions (safety, rescue, humanitarian de-mining ,CBRNE threats, a.o.) General considerations on Security issues/threats , implying the use of modern technology, are welcome too.

An abstract (approximately 300 words in English) should be received not later than **2 April 2017**

Electronic submissions of the abstracts (Word, PS-format, PDF-files) should be mailed to:

The contribution of IARP are on invitations after approval of the Committee

yvan.baudoin@ici-belgium.be
[Cc info@uvs-international.org](mailto:info@uvs-international.org); gsvirk@clawar.org

⌚ Deadline for abstracts: April, 28 2017

⌚ Receipt of full papers: May, 12 2017

Selected contributions will be included in a dedicated book by the Woodhead Publishing. Equipment's and posters may be exhibited (please contact ICI)

This Workshop is supported by UVS International, European Society for Defense, CLAWAR Association and ICI/Explosives and CBRN knowledge Centers. It will be hosted by the ICI

IARP – ICI-CLAWAR-UVS Committee

Belgium	<i>D.Lefeber(IARP)</i> <i>Y.Dubuq (ICI)</i> <i>Y.Baudoin (IARP-ICI)</i> <i>J.Galatas (ICI)</i>
Germany	<i>M.Peichl (ICI)</i>
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Poland	<i>A.Maslowski (IARP-ICI)</i>
Spain	<i>M. Armada (IARP-ICI)</i>
Sweden	<i>T.Vikström (ICI)</i>
United Kingdom	<i>G.Turnbull (ICI)</i> <i>G.S.Virk (CLAWAR)</i> <i>G.Pegman (IARP)</i>
USA	<i>W.Hamel (IARP)</i>

REGISTRATION FORM

LAST NAME – FIRST NAME	
AFFILIATION	
TITLE	
EMAIL	
ADDRESS	
REGISTRATION FEES* <ul style="list-style-type: none">- Members of CLAWAR, ICI, S€D, UVS- EU-HORIZON Project Partner- Other- Students and Seniors	<ul style="list-style-type: none">€ 50€ 100€ 200€ 50

***The fees include all coffee breaks, lunches, proceedings and a social get-together event.**



EVENT ADDRESS

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