



**INTERNATIONAL SYMPOSIUM
HUMANITARIAN DEMINING 2010**
Sibenik, Republic of Croatia, 27-29 April 2010



SECOND INVITATION

SYMPOSIUM PARTICIPANTS

- ❖ The **User Community**, who will be able to share experiences, solution of technical and management problems, and be updated on the latest technologies, equipments and methods available. Those considering introducing mechanical demining or expanding the use of machines in their programs will be particularly interested
- ❖ **Donors**, who will be able to appreciate the cost effectiveness and efficiencies of using the most appropriate equipment and techniques when considering funding programmes
- ❖ **Manufacturers**, who will have an exceptional opportunity to demonstrate their products and discuss equipment requirements
- ❖ The **R&D Community**, who will be able to share their thoughts on the latest research and development initiatives on demining technology

MAIN TOPICS AND ACTIVITIES

- Use of demining machines,
- Mines and UXO detection devices (metal detectors and dual sensors),
- Use of mine detection dogs,
- Use of new technologies as decision support in defining MSA
- Demonstration of machines in operation, in technical survey and demining
- Exhibition of demining and mine detection equipment

AGENDA

MONDAY, 26th April 2010.

14.00-19.00 *ARRIVAL AND REGISTRATION OF PARTICIPANTS*
14.00-19.00 *SETTING UP OF POSTERS*
19.00 *WELCOME DRINK*

TUESDAY, 27th April 2010.

07.00 - *ARRIVAL AND REGISTRATION OF PARTICIPANTS*
07.00 - *SETTING UP OF POSTERS*
08.30 - *OPENING OF THE SYMPOSIUM*

09.00 – 10.00 USE OF DEMINING MACHINES

MODERATORS: **Oto Jungwirth**, HCR; **Erik Tollefsen**, GICHD; **Nikola Pavković** HCR-CTRO

- Demining tools - tillers or flails?
- Influence of terrain characteristics on the use of machines
- Cost structure in mechanical demining
- International regulations in the field of the use and testing of demining machines

10.00 – 10.30 COFFEE BREAK

10.30 – 11.10 MINES AND UXO DETECTION DEVICES (METAL DETECTORS AND DUAL SENSORS)

MODERATORS: **Havard Bach**, GICHD; **Dieter Guelle**, Federal Office of Defense Technology and Procurement in Germany;

- The use and characteristics of metal detectors,
- Capabilities of dual sensors,
- New detection technologies, development and use,
- Trials and results

11.10 – 11.50 USE OF MINE DETECTION DOGS

MODERATORS: **Ashley Williams**, MECHEM; **Mirko Ivanušić**, HCR; **Nermin Hadžimujagić**, MDDC

- Selection and breeding,
- Influence of terrain characteristics and weather conditions on the use of dogs,
- Methods of use, combinations

11.50 – 12.30 USE OF NEW TECHNOLOGIES AS DECISION SUPPORT IN DEFINING MSA

MODERATORS: **Milan Bajić**, HCR-CTRO Scientific Council; **Jun Ishikawa**, Tokyo Denki University;

- Data gathering and analysis, data base
- Use of remote sensing in defining MSA,
- Biotechnologies,
- Problems in funding R&D of new technologies

12.30 – 14.00 LUNCH

15.30 – 18.30 WORKSHOP NO.1: MINES AND UXO DETECTION DEVICES (METAL DETECTORS AND DUAL SENSORS)

MODERATORS: **Havard Bach**, GICHD; **Dieter Guelle**, Federal Office of Defense Technology and Procurement in Germany;

WORKSHOP NO.2: USE OF NEW TECHNOLOGIES AS DECISION SUPPORT IN DEFINING MSA

MODERATORS: **Milan Bajić**, HCR-CTRO Scientific Council; **Jun Ishikawa**, Tokyo Denki University;

19.30 DINNER HOSTED BY THE ORGANIZERS

WEDNESDAY, 28th April 2010.

08 - 15.00 INTRODUCTION OF MANUFACTURERS, DEMONSTRATION OF MACHINES AND MINE DETECTION DOGS

MODERATORS: 1. **Nikola Gambiroža**, HCR; **Ivan Šteker**, HCR-CTRO, **Tomislav Ban**, HCR

08.00 DEPARTURE FOR THE DEMONSTRATION SITE
09.00 ARRIVAL AT THE DEMONSTRATION SITE
09.00-10.00 INTRODUCTION OF MACHINES AND DOG SCHOOLS
10.00-12.30 DEMONSTRATION OF WORK WITH MACHINES AND DOGS

12.30 - 13.30 FIELD LUNCH

13.30-14.00 INSPECTION OF MECHANICALLY TREATED SOIL AND QUALITY CONTROL
14.00 RETURN TO THE HOTEL

REGISTERED MACHINES: DALMATINO; DIGGER D-3; MV-4; MV-10; BOŽENA-4+; BOŽENA-5+; MINE WOLF; VF 001, VF 001+, "PT 400"

15.00 - 19.00 VIEWING OF THE EXHIBITED EQUIPMENT, CONTACTS WITH MANUFACTURERS, SPECIAL ACTIVITIES, SPECIAL PRESENTATIONS

- manufacturers of demining machines, metal detectors, protective equipment,
- mine detection dogs schools,
- testing and training centers,

17.00 – 19.00 WORKSHOP NO.3: USE OF DEMINING MACHINES

MODERATORS: **Oto Jungwirth**, HCR; **Erik Tollefsen**, GICHD; **Nikola Pavković** HCR-CTRO

WORKSHOP NO.4: USE OF DEMINING DOGS

MODERATORS: **Ashley Williams**, MECHEM; **Mirko Ivanušić**, HCR; **Nermin Hadžimujagić**, MDDC

THURSDAY, 29th April 2010.

08.30 – 12.00 PLENNARY SESSION

MODERATORS: **Oto Jungwirth**, HCR; **Havard Bach**, GICHD; **Milan Bajić**, HCR-CTRO Scientific Council; **Ashley Williams**, MECHEM

CONCLUSIONS OF THE WORKSHOPS:

WORKSHOP NO.1: MINES AND UXO DETECTION DEVICES (METAL DETECTORS AND DUAL SENSORS), **Havard Bach**, GICHD

WORKSHOP NO.2: USE OF NEW TECHNOLOGIES AS DECISION SUPPORT IN DEFINING MSA, **Milan Bajić**, HCR-CTRO Scientific Council

WORKSHOP NO.3: USE OF DEMINING MACHINES, **Oto Jungwirth**, HCR

WORKSHOP NO.4: USE OF DEMINING DOGS, **Ashley Williams**, MECHEM

12.00 - 13.00 WRAP UP AND ADJOURN, CONCLUSIONS

13.30 LUNCH

14.30 - 19.00 VIEWING OF EXHIBITED EQUIPMENT, CONTACTS WITH MANUFACTURERS, ADDITIONAL ACTIVITIES - SPECIAL EXHIBITIONS

- manufacturers of demining machines, metal detectors, protective equipment,
- mine detection dogs schools,
- testing and training centers,

REGISTERED EXHIBITORS: DOK-ING d.o.o.; WAY INDUSTRY,a.s.; Borovo d.d.; Minotehnika d.o.o.; Šestan-Busch d.o.o.; MINEWOLF SYSTEM GmbH;; Vallon GmbH; CEIA SPA; Avangard d.o.o., Digger DTR; FAE GROUP SPA;

FRIDAY, 30th April 2010.

8.00-16.00 EXCURSION

GENERAL INFORMATION:

DEADLINES:

31st March 2010 - final deadline for submitting abstracts and final deadline for registering equipment manufacturers,

15th April 2010 - final deadline for registration of participants,

15th April 2010 - final deadline for accommodation booking

OFFICIAL LANGUAGE

Croatian and English will be official languages of the Symposium and interpreting will be provided.

SYMPOSIUM FEE: Symposium fee will be 150 EUR.

INSURANCE

The Organizing Committee recommends that attendees take care of their travel, medical and property insurance. Organizers will not be liable for injuries, damage or loss of participants' properties.

VISA/PASSPORT

All participants from abroad shall have valid passports. All participants who may require visas are asked to contact the Croatian Embassy in their country. Information on the visa system in the Republic of Croatia may be found at the web site of the Ministry of Foreign Affairs and European Integration at: www.mvpei.hr. Without a timely visa application (at least 3 weeks before the Symposium) submitted at a Croatian Embassy responsible for your country, it will not be possible to issue a visa.

ACCOMMODATION:

Attendees will be accommodated in five four- star "Solaris" hotels with 1,500 rooms. **The attendees should contact the hotel in order to book and pay for their accommodation.** Information on the "Solaris" hotels may be found at www.solaris.hr

Final deadline for accommodation booking is 15th April 2010.

TRAVEL ARRANGEMENTS

Sibenik may be reached from Zagreb by car, train or bus. There are Zadar and Split airports within an hour's drive. Flight information may be found at Internet pages: www.croatiaairlines.hr

ADDITIONAL INFORMATION:

Information on the international symposium entitled *Humanitarian Demining 2010* may be found at:

www.ctro.hr or www.hcr.hr

CONTACT DETAILS:

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HUMANITARIAN DEMINING 2010
27-29 April 2010., Šibenik, Croatia



REGISTRATION FORM

Please fill in and send to:

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10020 Zagreb
Croatia

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Fax: + 385 01 652 03 01

e-mail:
sanja.vakula@ctro.hr

FIRST NAME: _____

FAMILY NAME: _____

COMPANY: _____

POSITION: _____

ADDRESS: _____

PHONE: _____ **FAX:** _____

E-MAIL: _____

DATE/SIGNATURE: _____