



GOVERNMENT OF THE REPUBLIC OF CROATIA
Office for Mine Action



MINISTARSTVO POLJOPRIVREDE

15th International Symposium *MINE ACTION* 2018 *Partner country Bosnia and Herzegovina*

Slano, Dubrovnik, 9th - 12th April 2018

Under the high patronage of the President of the Republic of Croatia

SECOND INVITATION WITH PRELIMINARY PROGRAMME

Monday, 9th April 2018

- 17.00 – 19.00** Arrival and registration of participants, setting up of posters and exhibits
venue: Admiral Grand Hotel (lobby)
- 16.30 – 18.00** **Meeting of the South East Europe Mine Action Coordination Council (SEEMACC)**
venue: Admiral Grand Hotel (1st floor)
- 19.00** **Welcome drink**
venue: Admiral Grand Hotel (lobby)

Tuesday, 10th April 2018

- 08.00 – 09.15** Arrival and registration of participants, setting up of posters – *venue: Admiral Grand Hotel (lobby)*
- 09.30 – 10.30** **SYMPOSIUM OPENING** *venue: Admiral Grand Hotel, Conference room*
- Introductory speech **Đurđa Adlešič**, President of the CROMAC Managing Board
Welcome addresses **Hrvoje Debač**, Acting Director, Government Office for Mine Action
Representative of the host region
Representative of the partner country Bosnia and Herzegovina
Representative of the Croatian Government
Envoy of the President of the Republic of Croatia
- Introductory presentation **Nataša Mateša Mateković**, Director of HCR-CTRO
Fifteen years together
- Commendation plaques awarding ceremony**
- 10.30 – 11.15** **Topic 1: THE OTTAWA TREATY – A WORLD WITHOUT MINES BY 2025**
Topic 2: GLOBAL MINE ACTION EXPERIENCES (Mine and ERW contamination)
- Presentations **Velimir Žunac**, State Secretary for Regional Development and EU Funds:
EU Contribution to the Ottawa Treaty goals

Krešimir Ivančić, Assistant Minister of Agriculture:

Contribution of the European Agricultural Fund for Rural Development to the goals of the Ottawa Treaty

Hrvoje Debač, Acting Director of the Government Office for Mine Action:

Maputo Action Plan and Maputo +15 Declaration: Fulfilling the Mine Ban Treaty's Promise of a World Free from Landmines

11.15 – 11.45

Coffee Break

11.45 – 13.00

Presentations

Kenneth R. Rutherford, JMU CISR:

Eugen Njari, General Staff, Croatian Armed Forces:

Civilian-military co-operation: Experience of the Croatian Ministry of Defence staff in demining military facilities and co-operation with national authorities

Sead Vrana, Federal Civil Protection Administration of the Federation of Bosnia and Herzegovina:

Experiences from the Federation of Bosnia and Herzegovina in Residual Unexploded Aircraft Bomb Management

Matika Dario, Croatian Military Academy *Dr. Franjo Tuđman*:

Analysis of Demining of Asphalt-Concrete Surfaces of the Airport of Zadar - lessons learned, 25 years later

13.00 – 14.30

Lunch break

14.30 – 16.15

Topic 3: NEW TECHNOLOGIES IN MINE ACTION

venue: Admiral Grand Hotel, Conference room

Presentations

Tamara Ivelja, University of Applied Sciences, Zagreb:

Detection of strong mine presence indicators using intelligent algorithms

Siniša Lacković, University of Applied Sciences, Zagreb:

Operational consequences of a non-linearity of the harmonic radar

John Fardoulis, Fardoulis Robotics:

Robotics and Remote Sensing for Humanitarian Mine Action & ERW Survey (RRS-HMA)

Patrycja Wojcieszńska, Military Institute of Engineer Technology:

Design ideas for shock wave shields with vacuum compartment

Yui Otagaki, **Panagiotis Farantatos**, **Waqas Rafique**, King's College, London:

Design and development of an NQR-based explosive detection system for humanitarian demining

Nikola Kezić, HCR-CTRO Scientific Council:

Bees for explosive detection

Tamara Ivelja, University of Applied Sciences, Zagreb:

The rationale and concept of collecting IED, UXO and landmines signatures

16.15 – 16.45

Coffee Break

16.45 – 17.30

Topic 4: MINE VICTIMS ASSISTANCE

venue: Admiral Grand Hotel, Conference room

Presentations

Adela Zobundžija, Pro-Konzalting d.o.o.:

Inclusion model of Homeland War 100% disabled persons of the first level in the mine and ERW risk education on the territory of the Republic of Croatia

Representative of the Croatia Helps Association:

Assistance to children mine victims in Iraq

Marko Husić, Otto Bock Adria d.o.o.:

Modern prosthetics, treatment and fitting after traumatic amputations

17.30 – 18.30

BOSNIA AND HERZEGOVINA – PARTNER COUNTRY OF THE SYMPOSIUM

venue: Admiral Grand Hotel, Meeting room 2

Introductory speeches
Presentations

Representatives of Bosnia and Herzegovina

19.00 – 21.00

Gala Dinner

Side events

09.00 – 19.00

Presentation of demining manufacturers and equipment

Viewing of exhibited equipment and discussion with manufacturers

Wednesday, 11th April 2018

08.30 – 09.50

Transportation of participants from the hotel to the demonstration site

10.00 – 11.45

FIELD DEMONSTRATION: Konavle-Gruda

Programme

Presentation of equipment and demonstration of work

Moderators: **Tomislav Ban**, CROMAC, **Tomislav Vondraček**, HCR-CTRO:

Note: *Detailed program will be presented in the Demonstration Guide*

Side events

Presentation of the equipment manufacturers

12.00 – 13.00

Transportation to Cavtat

13.00 – 14.15

LUNCH

14.15 – 14.45

Transportation to Dubrovnik

14.45 – 19.00

Tour of the Dubrovnik Old Town

Thursday, 12th April 2018

09.00 – 11.30

Topic 5: TERRORISM AND ERW

Topic 6: IEDs – EXPERIENCES AND METHODS OF APPROACH

Topic 7: NATURAL DISASTERS / CRISIS SITUATIONS AND MINE ACTION

(Explosions of ammunition depots, fires, floods)

venue: Admiral Grand Hotel, Conference room

Presentations

Joseph Almog, Hebrew University of Jerusalem:

Israeli concept of pro-active forensic science and its impact on combating terrorism

Yvan Baudoin, International CBRNE Institute, **Torsten Vikstrom**, SITE:

Promising C-IED tools

Sufian Al Souse, IOCTR:

Explosives for Free and Illegal Activities

Phillip David Jowett, MBE, PCM Ltd / MAT Kosovo LLC:

Humanitarian Improvised Explosive Device Clearance & Improvised Explosive Device Disposal - Risk Management by Response Training in Humanitarian Mine Action

Lior Asaf, LDD Advanced Technologies:

Shifting Mines: Countering “New” Legacy Contamination in Flooded Areas using 2D Hydraulic Models

Igor Kulenović, University of Zadar:

Cultural Heritage in Mine Suspected Areas: A GIS Data Base

Poster presentations

Andrija Krtalić, Faculty of Geodesy, University of Zagreb:
The Indicators of Mine Presence and Absence in Airborne and Satellite Non-technical Survey

Andrija Krtalić, Faculty of Geodesy, University of Zagreb:
Uncertainty in Mine Risk Visualization within Non-technical Survey

Andrija Krtalić, Faculty of Geodesy, University of Zagreb:
Influence of previous spatial calibrations of hyperspectral line scanners on the accuracy of geocoding of hyperspectral cube

Ivan Racetin, University of Split:
Segmentation of the aerial RGB images of Suspected Hazardous Area for the needs of Non-technical Survey

Zdenka Babić, University of Banja Luka:
Honeybee video-tracking for explosive detection

Mario Muštra, Faculty of Transport and Traffic Sciences, University of Zagreb:
Capturing bees using UAVs

11.30 – 12.00

Coffee Break

12.00 – 13.00

CONCLUSIONS, wrap-up and adjourn

GENERAL INFORMATION

OFFICIAL LANGUAGES:

Croatian and English. Interpretation will be provided.

REGISTRATION FEE:

Participants - 300 EUR

Equipment exhibitors and sponsors are exempt from paying the registration fee for two representatives.

Presenters: first authors 100 EUR, co-authors 300 EUR

Accompanying persons – 100 EUR

Students are exempt from payment.

VENUE

The Symposium will be held at the **Admiral Grand Hotel** in Slano, near Dubrovnik. Prices for the participants: half board in 1/1 room – 78 EUR, in 2/1 room - 106 EUR per room. The nearest airport is Dubrovnik airport.

The participants are asked to book accommodation by 25th March 2018 via the following email address: sales@hoteladmiral-slano.com, with the following subject line: **HCR Symposium**.

VISAS:

Visa requirements overview will be available at the website of the Government Office for Mine Action: www.mine.gov.hr

CONTACT PERSON:

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ADDITIONAL INFORMATION:

www.ctro.hr, www.hcr.hr and www.mine.gov.hr



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