

Friday 03 April 2009

- **10:00-12:00** - Registration and pick-up conference materials
- **13:30-16:00** - Registration and pick-up conference materials

Saturday 04 April 2009



**WORKSHOP
ON THE CHEMICAL WEAPONS
CONVENTION
AND THE BIOLOGICAL AND
TOXIN WEAPONS CONVENTION
AND THEIR CONTRIBUTION TO
THE NON-PROLIFERATION OF
WEAPONS OF MASS
DESTRUCTION**

Cavtat, Croatia

04-05 April 2009

PROVISIONAL PROGRAMME

Saturday, 04 April 2009

Hotel Croatia – Salon Orlando

- **09:00-09:30** – Registration, and introduction to the workshop

- **09:30-10:00 – Opening of the workshop:**
 - Statement by the representative of OPCW
 - Statement by the representative of the Host country
 - Statement by the representative of the World Congress

- **10:00-10:30** – Role of the United Nations in non-proliferation of weapons of mass destruction, **Gabriele Kraatz-Wadsack**, UNODA

- **10:30-11:00** – Coffee Break

- **11:00-11:30** – The CWC’s contribution to the non-proliferation of weapons of mass destruction and to global anti-terrorism efforts and the role of OPCW
Krzysztof Paturej, Director of the Office for Special Projects, OPCW
Isabella Interlandi, (UN 1540)
The Contribution of UNSCR 1540 to the non-proliferation of weapons of mass destruction
(UNSCR 1540 Committee Member)
Olivia Bosch (UNSCR 1540 Committee Expert)

- **11:30-12:00** – The BTWC’s Contribution to the non-proliferation of weapons of mass destruction, **Richard Lennane** (UN Geneva)

- **12:00-12:30** – The implementation of Article X of the CWC, **Gennady Lutay**, Head Assistance and Protection Branch, ICA/OPCW

- **12:30-14:00** – Lunch Break

- **14:00-15:00** – Presentations on the role of the chemical and bio-industries in national implementation of the CWC and the BTWC
Neil Harvey representative of CEFIC
Stef Stienstra
Mladen Pajnić Representative of the Croatian Chemical Industry
- **15:00-15:30** – Coffee Break
- **15:30-16:30** – Presentations on the role of scientific communities, academia and civil society in national implementation of the CWC and the BTWC
 - representative of SIPRI (**John Hart, Ivana Mičić**)
 - representative of VERTIC (**Ms Rocio Escauriaza, Mr. Scott Spence**)
 - Croatia (**Hrvoj Vančik**)
 - South Africa
- **16:30-17:30** – Discussion

Sunday 05 April 2009

PROVISIONAL PROGRAMME

Sunday, 05 April 2009

Hotel Croatia – Salon Orlando

- **09:00-11:00** – National experiences in implementing the provisions of the CWC and the BTWC in relation to chemical and biological safety and security
Representatives of Croatia, Serbia, Bosnia and Herzegovina, Italy, Algeria, Cuba, South Africa

- **11:00-11:30** – Coffee Break

- **11:30-12:30** – Discussions on the lessons learned and on how to further the implementation of the CWC and the BTWC

- **12:30-13:00** – Conclusions and summing-up

- **13:00-14:30** – Lunch, and closure

Friday 03 April 2009

**The Chemical and Biological Medical Treatment Symposium -
Industry VI**

**CBMTS-Industry VI
The Fifth World Congress on Chemical,
Biological and Radiological Terrorism**

05-10 April 2009

- **10:00-12:00** - Registration and pick-up conference materials
- **13:30-16:00** - Registration and pick-up conference materials

Sunday 05 April 2009

- **16:30** - Registration and pick-up conference materials
- **17:00** - Meeting of Sector/Session Chairs/Co-Chairs - Main Auditorium
- **19:30-21:30** - **Congress Welcome Reception** - Local Music of Croatia (**Hotel Croatia, Cavtat**)

Monday 06 April 2009

**The Chemical and Biological Medical Treatment Symposium -
Industry VI**

**The Fifth World Congress on Chemical,
Biological and Radiological Terrorism**

05-10 April 2009

Congress Honorary Director: MS Damir Trut (Croatia)
Congress Co-Director: Col. Richard Price (US)
Congress Co-Director: Prof. Dr. Zvonko Orehovec (Croatia)
Congress Co-Director: Mr. Boris Mesarić (Croatia)
Congress Chair: Dr. Slavko Bokan (Croatia)
Congress Co-Chair: Dr. Barbara Price (US)

Sectors and Sessions

Sector I

Chemical Threat (Chem)

Sessions: 1, 2, 5, 9

Chair: Prof. Stephen W. Borron, US

Co-Chair: Dr. Walter Aue, Switzerland

Co-Chair: Prof. Filiz Hincal, Turkey

Sector II

Biological/Radiological Threat (Bio/Rad)

Sessions: 3, 10, 14

Chair: Dr. David Robinson, US

Co-Chair: Dr. Gabriele Kraatz-Wadsack, UN

Co-Chair: Dr. Mzia Kutateladze, Republic of Georgia

Sector III

Emerging Threats, Medical, Biosafety/Biosecurity

Sessions: 6, 8, 13

Chair: Dr. Venkat Rao, US

Co-Chair: Prof. Elena Ryabchikova, Russia

Co-Chair: Dr. Stef Stienstra, The Netherlands

Sector IV

Dual-Use Items (DU)

Sessions: 4, 11, 12

Chair: Dr. Eric Stephen, Canada

Co-Chair: Mr. Mason Soule, US

Co-Chair: Dr. Isroil Samihardjo, Indonesia

Sector V

The Exercise and Special Events

Sessions: 7

Chair: Dr. Gary Eifried, US

Co-Chair: Dr. Pavel Castulik, Czech Republic

Co-Chair: Mr. Damir Pilčik, Croatia

Monday, 06 April 2009

▪ 09:00-10:00 Hotel Croatia – Congress Hall Ragusa **Congress Opening with Official Welcome and Introductions**

- Administrative remarks and introduction of key Symposium staff by CBMTS Industry VI Co-Directors – **Col. Richard Price, Prof. dr. Zvonko Orehovec** and **Mr Boris Mesarić**, General Manager of Petrokemija Ltd., Kutina, Croatia
- The Opening: **Ms Đurđa Adlešić**, Vice Prime Minister of the Republic of Croatia
H.E. Ambassador Rogelio Pfirter, Director General of the Organization for Prohibition of Chemical Weapons (OPCW)
- Remarks by **Dr. Marc Cadisch**, Director of Spiez Laboratory Switzerland
- Official Welcome: **Mr Damir Trut**, CBMTS Industry VI Director and Director of the National Rescue and Protection Directorate
- Remarks by **Brigadier General Joe Kelly**, Director, Joint Staff, Minnesota National Guard, USA

▪ 10:00-11:00

A Special Report: The OPCW Workshop and current developments of the CWC

1. Information on the Workshop, **H.E. Mr. Željko Jerkić**, Ambassador, Coordination, Planning and Evaluation Adviser, International Cooperation and Assistance Division, OPCW Technical Secretariat
2. The OPCW Contribution to the Nonproliferation of WMD and to Global Antiterrorism Effort, **Mr Krzysztof Paturej**, Director of the Office of Special Projects - OSP, Organization for the Prohibition of the Chemical Weapons
3. Developments in Science and Technology affecting the Chemical Weapons Convention, **Dr. Marc Cadisch**, Switzerland

▪ 11:00-11:20 - Coffee Break

▪ 11:20-13:00

Session 1: CBMTS Industry VI Overview

Chair: Dr. Barbara Price, US

Co-Chair: Dr. Slavko Bokan, Croatia

1. Preparing for and implementing the UN Secretary-General's mechanism on alleged use investigation for Biological Weapons (39) **Kraatz-Wadsack, Gabriele** UN New York
2. Strategic Approaches to CBRN Decontamination Research Design and Investment (31) **Jutro, Peter** US
3. Overview of the US Strategic National Stockpile (1) **Adams, Steven** US
4. Consequences of a Changing CBRN Threat (46) **Medema, Jan** The Netherlands

▪ **13:00-14:00** - Lunch

▪ **14:00-15:40**

Session 2: Chemical 1

Chair: Prof. Vesna Jaćević, Serbia

Co-Chair: Dr. Kawa Dizaye, Iraq

1. Chemical Toxicity Approach for Emergency Response (4) **Bauer, Timothy** US
2. Development of New Czech Autoinjector with Oxime HI-6 DMS (41) **Kuca, Kamil**, Czech Republic
3. Research of Small Quaternary AChE Inhibitors as Pretreatment of OP Poisoning (48) **Musilek, Kamil** Czech Republic
4. Behavioral Effects of Nerve Agents: Laboratory Animal Models (49) **Myers, Todd** US
5. Covering Sources of Toxic Vapors with Foams (3) **Aue, Walter** Switzerland

▪ **15:40-16:00** - Coffee Break

▪ **16:00-17:40**

Session 3: Biological 1

Chair: Dr. Robert DeBell, US

Co-Chair: Dr. Sergey Biketov, Russia

1. The Characteristics of Exosporium Antigens from Different Vaccine Strains of Bacillus Anthracis (7), **Biketov, Sergey** Russia
2. Phages for Detection of Bacterial Pathogens (43) **Kutateladze, Mzia** Georgia
3. Phage and Phage Lytic Enzymes (69) **Trudil, David** US
4. Aqueous Media Treatment and Decontamination of Hazardous Chemical and Biological Substances by Contact Plasma (51) **Pivovarov, Alexander** Ukraine

5. Dispersion Analysis of Biotoxins using HPAC Software (76) **Wu, Aiguo** US

- **17:40** – Free Time

Tuesday 07 April 2009

- **08:00-09:20**

Session 6: Technical Advances - Private Sector

Chair: Nayla Feghali, Canada

Co-Chair: Osmo Anttalainen, Finland

1. Mobile Gamma Spectrometry with Remote Data Analysis (2) **Anttalainen, Osmo** Finland
2. Development of an Operational Waterborne Weaponized Chemical Agent Transport Modeling Capability (72) **Ward, Matthew** US (**Jennifer Cragan**, US)
3. RSDL: New Research, Approvals and Indications for Use (20) **Feghali, Nayla** Canada
4. Collective Protective Equipment, **Wolfgang, J. May** Germany

- **09:20-11:00**

Session 7: Pre Exercise Overview

Chair: LTC Jeffrey Allen, US

Co-Chair: Dan Kaszeta, UK

Co-Chair and Exercise Commander: Damir Pilčik, Croatia

1. VIP Protection from CBRN Hazards (34) **Kaszeta, Dan** UK
2. Protection from CBRN Hazards **Allen, Jeffrey** US
3. Incident Command Linkup: The Vital Key for CBRN Response (61) **Smith, Darrin** US
4. Formation of the Exercise **Allen, Jeffrey** US
5. Demonstration Exercise "Cavtat 09" - National Rescue and Protection Directorate: Role, Tascos and Responsibility in Case of VIP Protection (70) **Damir, Trut**, Croatia

- **11:00-11:20** - Coffee Break
- **11:20-12:30** - **Congress Field Technical Demonstrations and Exercise**
- **13:00-14:00** - Lunch
- **13:00-14:00** – JMCBR Defense Editors Luncheon by invitation

▪ **14:00-15:40**

Session 4: Dual-Use 1

Chair: Dr. Jan Medema, The Netherlands

Co-Chair: Dr. Katsuhisa Furukawa, Japan

- 1.** The Journal of Medical Chemical, Biological and Radiological Defense: An Update (53) **Price, Barbara** US
- 2.** Implementing the Strengthened Non-Proliferation Regime in Georgia (14) **Chelidze, Lia** Republic of Georgia
- 3.** The Case of Aum Shinrikyo's WMD Terrorism and Japan's Counter-Measures for WMD Terrorism (21) **Furukawa, Katsuhisa** Japan
- 4.** An Integrated Approach to Risk Assessment and Mitigating the CBRN Threat (9) **Bokan, Slavko** Croatia
- 5.** What Are the Risks of WMD by Organized Crime in Southeast Europe (66) **Stipetić, Davor** Croatia

▪ **14:40-16:00** - Coffee Break

▪ **16:00-17:00**

Session 5: Chemical 2

Chair: Dr. Walter Aue, Switzerland

Co-Chair: Dr. Todd Myers, US

- 1.** Dose Response Toxic Effects of Different Oximes In Vivo: Pathohistological Evaluation (29) **Jaćević, Vesna**, Serbia
- 2.** Long-term effects of chemical weapons on health in Kurdistan of Iraq (17) **Dizaye, Kawa** Iraq
- 3.** Chemical Sensing Underclothing System for Testing of PPE (11) **Castulik, Pavel** Czech Republic

Note: Per CBMTS tradition all accompanied persons are invited to the Field Demonstration - Exercise and Dinner - picnic.

18:00-20:30 – Host Country Dinner - Hotel Croatia

Wednesday 08 April 2009

▪ **08:30-10:10**

Session 8: Emerging Threats, Medical, Biosafety/Biosecurity 1

Chair: Prof. Elena Ryabchikova, Russia

Co-Chair: Prof. Emmanuel Iwuoha, South Africa

1. The Future of Emerging Disease (16) **DeBell, Robert** US
2. Novel Approaches to Support Medical Countermeasure Response to Radiological or Nerve Agent Events (72) **Whitcomb, Robert** US
3. Converging Requirements and Emerging Challenges to Public Health Disease Surveillance and Biosurveillance (54) **Rao, Venkat** US
4. Explosive Developments in Biotechnology and the Role of BTWC in Strengthening a Global Biosecurity/Biosafety (10) **Bokan, Slavko** Croatia
5. Immunogenicity of Biopharmaceuticals and Biosimilars in relation to Storage, Handling and Stability (26) **Hincal, Filiz** Turkey

▪ **10:10-10:30** – Coffee Break

▪ **10:30-11:50**

Session 9: Chemical 3

Chair: Major Lars Skinner, US

Co-Chair: Dr. Zrinka Kovarik, Croatia

1. Sea-Dumped CW Munitions - The European Component (24) **Hart, John** Sweden
2. Native and Tabun-Inhibited Cholinesterase Interactions with Oximes (38) **Kovarik, Zrinka** Croatia
3. Protective Measures While Treating CWA Casualties (45) **Medema, Jan** The Netherlands
4. "Toxic Industrial Chemicals (TICs) as Asymmetric Weapons: The Design Basis Threat (59) **Skinner, Lars** US

▪ **12:00-13:00** – Lunch

▪ **13:00-14:40**

Session 10: Biological 2/Radiological

Chair: Dr. Isroil Samihardjo, Indonesia

Co-Chair: David Trudil, US

1. The Search and Identification of New Immuno Diagnostic Targets of Bacillus Anthracis Spore (8) **Biketov, Sergey** Russia
2. The use of Anthrax and Orthopox Therapeutic Antibodies from Human Origin in Biodefense (65) **Stienstra, Stef** The Netherlands
- 3 Features of Pathology in Mice Experimentally Infected with Highly Pathogenic H5N1 Influenza Virus (56) **Ryabchikova, Elena** Russia
4. Electrochemical Nanobiosensor Alarm Devices for the Determination of Endocrine Disruptor Agents (28) **Iwuoha, Emmanuel** South Africa

5. Nuclear Safety Regulations in Republic of Croatia (27) **Čižmek, Ankica** Croatia

▪ **14:40-15:20**

Session 11: Poster presentation (oral)

Chair: John Hart, Sweden

Co-Chair: Col. Joseph Weihs, US

1. Recombinant Butyrylcholinesterase (rBuChE) Therapy following VX Poisoning by the Percutaneous Route: Preliminary Studies (62) **Speakman, Philip** UK

2. Public Awareness – Calendar with Information about Emergency Preparedness (52) **Podhraški Benković, Sunčana** Croatia

3. Exposure to Formaldehyde: A Challenge of Occupational Health Significance (33) **Kaonga, Kennedy** Zambia

4. Operation the Laboratory for NBC Protection and Biomonitoring in the Case of Terrorist Attack with NBC Weapons (70) **Tušek, Dragutin** Croatia

5. Medical Management of Radiological Accidents in Non-Specialized Clinics: Mistakes and Lessons (75) **David, Jikia** Georgia

6. Education in Petrochemical Industry as Prevention from Chemical Terrorism (60)

Mesarić, Boris Croatia

7. The Role of Nuclear Suppliers Group in Preventing the Proliferation of Nuclear Weapons, (15) **Medaković, Saša** Croatia

8. Accidental Oil Spills - Project Management Strategy, (64), **Bobić, Vedranka** Croatia

9. Dirty Bombs: Assessment of Radiological Impacts (68) **Trifunović, Dejan** Croatia

10. Searching for the Universal Reactivator for Treatment of Pesticide Poisonings (42) **Kuca, Kamil**, Czech Republic

11. Hazardous Substances Shipping at Inland Water Harbors (6) **Benković, Željko** Croatia

▪ **15:20-16:00** – Coffee Break **and Posters viewing**

▪ **16:00-16:30**

The CBMTS Meetings: The best way forward

▪ **17:00** – Free Time

Thursday 09 April 2009

▪ **08:00-09:40**

Session 12: Dual-Use 2

Chair: Prof. Stephen Borron, US

Co-Chair: Dr. Lia Cheladze, Republic of Georgia

1. Security and Health Protection During the Transport of Hazardous Substances (5) **Benković, Željko** Croatia
2. The Role of Poison Control Centers in CBRN Incidents (11) **Borron, Stephen** US
3. Border Control and/or Control of Organized Crime Members in the Scope of WMD Non-Proliferation Politics (22) **Siniša, Gudlin** Croatia
4. Operationalising UN Security Council Resolution 1540: An Overview of Select Practical Activities in the Chemical and Biological Weapon-Related Areas (25) **John, Hart** Sweden
5. SEVESO II Directive in Prevention and Mitigation of Consequences of Chemical Terrorism (36) **Kliček, Miljenka** Croatia

▪ **09:40-10:00** – Coffee Break

▪ **10:00-12:20**

Session 13: Emerging Threats, Medical, Biosafety/Biosecurity 2

Chair: Dr. Gary Eifried, US

Co-Chair: Dr. Joyce Ondicho, Kenya

1. Indonesian Perceptions on the Implementation of the Chemical Weapons Convention in Relation with Biosecurity and Biosafety (57) **Samihardjo, Isroil** Indonesia
2. Urgent Medical Response in CBR Incidents (13) **Slabotinsky, Jiří and Castulik, Pavel** Czech Republic
3. What About the Animals? Dealing with Working Dogs, Pets and Other Animals During Terrorism Incidents and Disasters (18) **Eifried, Gary** US
4. Exposure to different toxic chemicals: A Threat to Environment and Human Health in Mining Sites in Tanzania (44) **Magadula, Joseph** Tanzania
5. Biosafety Level 3 Facility: Essential Infrastructure in Biodefense Strategy in the Republic of Croatia (40) **Krajinović, Lidija** Croatia
6. Antimicrobial activity of the root, stem bark and seed extracts of *Moringa oleifera* Lam (50) **Ondicho, Joyce** Kenya

▪ **12:30-13:30** - Lunch

▪ **14:00 – 15:00**

Session 14: The Summary of Sessions by Sector Chairs/Co-Chairs

- **Chair: Dr. Slavko Bokan**, Croatia
- **Co-Chair: Dr. Barbara Price**, US

(as a norm, each Sector Report will be approximately 10 minutes in duration)

- **Sector 1 - Chemical Threat (Chem)**
 - **Sector 2 - Biological/Radiological Threat (Bio/Rad)**
 - **Sector 3 - Emerging Threats, Medical, Biosafety/Biosecurity**
 - **Sector 4 - Dual-Use Items (DU)**
 - **Sector 5 - The Exercise and Special Events**
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- **15:00 – Closing Remarks and the Congress Adjourns**
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- **19:00-21:30**
Congress Dinner on the terrace of the Hotel Croatia, Cavtat

Friday 10 April 2009

Free Time

1200-1300 - Lunch

Free time, Walking Tour of Dubrovnik

Saturday 11 April 2009

- **From 05:00** - Transfer to Dubrovnik Airport

NOTE:

For those leaving Dubrovnik on different flights, your travel to the airport will be arranged by ATLAS Travel Agency in coordination with CBMTS Organizing Committee.