



# **MASTER CBRNe**

Chemical, Biological, Radiological, Nuclear and explosive  
Department of Industrial Engineering and School of Medicine and Surgery

## **3<sup>rd</sup> Announcement - Agenda**

### **3<sup>rd</sup> International CBRNe Workshop**

## **IW CBRNe 2016**

***Building a strong CBRNe scientific community***

***25 November 2016***

University of Rome Tor Vergata  
Villa Mondragone  
Via Frascati 51 (Monteporzio Catone, Rome)

***The workshop addresses current CBRNe risk scenarios, focusing on:***

- Capacities and best practices to enhance CBRNe security worldwide and to reduce CBRNe threats
- Cyber security: the next frontier of CBRNe
- Bio-safety and security issues
- Programs to support first responders during an hazmat incident
- The use of chemicals in war theaters: a comprehensive view



English is the official language of the event

For **REGISTRATION** please [click here](#) or contact: ***iw2016@mastercbrn.com***

# Workshop Venue

## *Villa Mondragone*



*Villa Mondragone (in Monte Porzio Catone, near Rome) is part of the Complex of "Ville Tuscolane" that includes twelve monumental Fabrics from the Renaissance period, that were built on the heights of the Vulcano Laziale in the south-east of Rome. It is located on a hill at 416 m on the sea level between Frascati and Monte Porzio Catone.*

[www.villamondragone.it](http://www.villamondragone.it)

# Agenda in progress

|               |   |                                      |   |
|---------------|---|--------------------------------------|---|
| 8.30 – 9.00   | REGISTRATION OF PARTICIPANTS  |                                      |   |
| 9.00 – 9.15   | WELCOME BY AUTHORITIES  |                                      |   |
| 9.15 – 9.25   | <b>Didactic Board of CBRNe Master Courses</b>   | University of Rome Tor Vergata       | <i>Updates on the Results of CBRNe Master Courses</i>   |
| 9.25 – 9.40   | <b>Gen. Faisal Al-Shoubaki</b>  | Jordain Army                         | <i>Evolving CBRN threats in the middle east</i>   |
| 9.40 – 9.55   | <b>Prof. Leonardo Palombi</b>   | University of Rome Tor Vergata       | <i>Immigration and terrorism: a new approach to face</i>  |
| 9.55 – 10.10  | <b>Martin Krottmayr</b>   | International Red Cross              | <i>TBD</i>  |
| 10.10 – 10.25 | <b>Dr. Alan Kearney</b>   | Irish Defence Forces Training Centre | <i>Explosive: An old risk coming back</i>   |
| 10.25 – 10.40 | <b>CC Luca Tedesco</b>  | Italian Ministry of Defence          | <i>Forensic Science applied to a CBRNe crime scene</i>  |
| 10.40 – 11.10 | Coffee Break  |                                      |   |
| 11.10 – 11.25 | <b>Prof. Maurizio Martellini</b>  | University of Insubria               | <i>Cyber warfare and attacks against CBRN facilities</i>  |
| 11.25 – 11.40 | <b>Prof. Enrico Sciubba</b>   | University of Rome La Sapienza       | <i>Multidisciplinary DSS as preventive tools in case of CBRNe</i>   |
| 11.40 – 11.50 | <b>Dr. Daniele Di Giovanni</b>  | HESAR                                | <i>Building a CBRNe community - HESAR reality</i>   |
| 11.50-12.00   | CBRNe Master thesis Award   |                                      |   |
| 12.00 – 12.50 | POSTER SESSION/INDUSTRIAL EXHIBITION  |                                      |   |
| 12.50 – 13.50 | Lunch   |                                      |   |
| 13.50 – 14.05 | <b>Col. Ing. Maria Pannuti</b>  | Italian Firefighters                 | <i>Earthquake in Central Italy: Amatrice and Accumuli</i>   |
| 14.00 – 14.15 | <b>Dr. Giovanni Longo</b>   | W.L. Gore & Associates Srl           | <i>New approaches in Chemical Biological Environments</i>   |
| 14.15 – 14.25 | <b>Dieter Rothbacher, MMSc</b>  | HOTZONE SOLUTIONS                    | <i>The importance of Training in CBRNe</i>  |
| 14.25 – 14.35 | AGREEMENT SIGNATURE CERIMONY  |                                      |   |
|               | with the participation of   |                                      |   |
|               | <i>International CBRNE Insitute – Belgium - Mr Yves Dubucq</i><br><i>Vinca Institute of Nuclear Sciences – Serbia - Dr Milica Marceta Kaninski, PhD</i> |                                      |   |
| 14.35 – 14.55 | Coffee Break  |                                      |   |
| 14.55 – 15.10 | <b>Dr. Matteo Monticelli</b>  | Pollution S.r.l.                     | <i>The ultimate technology step for radiological threats identification - A solution that drives to rethink monitoring procedures</i> |
| 15.10 – 15.25 | <b>Dr. Stefano Miorotti</b>   | CRISTANINI S.p.A.                    | <i>Innovative CBRNe protection and decontamination systems</i>  |
| 15.25-15.40   | <b>Amb. Bonnie Jenkins</b>  | US Department of State               | <i>World Wide Global Partnership on CBRNe</i>   |
| 15.40-15.55   | <b>Dr. Ditta Ciganikova</b>   | OPCW                                 | <i>TBD</i>  |
| 15.55-16.00   | Best Poster Award   |                                      |   |
| 16.00 – 16.15 | Master Stuedents Cerimony   |                                      |   |
| 16.15 – 16.25 | Military Insigna Assignment   |                                      |   |
| 16.25 – 17.00 | Attendance Certification Assignment   |                                      |   |
|               | END OF THE AGENDA   |                                      |   |

# Registration

## **Deadline** **for late registration** **22 November 2016!**

### Late registration fees

| Workshop attendance  | free of charges |
|--|-----------------|
| Conference kit, coffee breaks and lunch + 1 year HESAR membership  | €35,00          |
| Poster session participation and abstract publication on ISBN book + 1 year HESAR membership ( <b>this fee is available only for participants who have already submitted an abstract</b> )   | €30,00          |
| Conference kit, coffee breaks and lunch + Poster session participation and abstract publication on ISBN book + 1 year HESAR membership ( <b>this fee is available only for participants who have already submitted an abstract</b> ) | €65,00          |

**Workshop fees include the HESAR  
(Health Safety Environmental Research Association Rome)  
membership for one year!**

**FOR REGISTRATION PLEASE CLICK ON the HESAR logo**



**or visit:**

**<http://www.hesar.it/eng/events/registration-cbrne-workshop-2016/>**

**For information please contact: [iw2016@mastercbrn.com](mailto:iw2016@mastercbrn.com)**



# Poster Session

| POSTER TITLE   | AUTHORS  |
|--|--|
| International Combat Life Saver CBRN Awareness for Police and Military personnel   | Wengler P.   |
| CBRN risk assessment during earthquakes: the Amatrice 2016 earthquake case   | Cavalieri d'Oro E., Pannuti M., Venturini S.   |
| CBRNe civil defense protection during mega-events: the EXPO 2015 case  | Cavalieri d'Oro E.   |
| Na-TECH Risk Prevention in a Company subject at Risk of Major Accident. A real case  | Angeli D.  |
| Sniffer for concealed people discovery: the SNOOPY Project   | Sberveglieri G., Ponzoni A., Martinelli E., Catini A., Di Natale C.  |
| Benefits of the use of a rule system for CBRNe TTX - EXE vs. traditional narrative model   | Filippi M., Carruba R., Massimo L.   |
| CBRN Italian Red Cross: Department of Public Health  | Fontana C., Zaghis I., Costanzo V., Angeloni U.  |
| An Innovative e-Learning Module to Manage Summer School Lectures: MATRIX-SS  | Fontana F., Fontana C., Cosimi E., Ponzo G.  |
| Protecting workers from potential exposure to Zika virus in EU   | D'Amico W., Tomao P., Vonesh N.  |
| Nuclear Forensic activity at ENEA: The Galaxy Serpent exercise v2  | Ottaviano G., Rizzo A., Rocchi F., Padoani F.  |
| Is Rome ready for CBRNe attacks?   | Rosiello F., Monti M., Modini C., Russo L., Monti M., Zelinotti L., Vinci A.   |
| From Chernobyl to Florida across Garigliano. Analysis of chemical disasters  | Vinci A., Monti M., Marchetti M., Zelinotti L., Rosiello F.  |
| NIMBY Syndrome   | Lisanti M.   |
| Role of radiation measurements in the radiation protection and emergency response and preparedness in the case of radiological accidents | Olivera C.-B., Lazarevic D., Todorovic D., Pantelic G., Arandjic D., Bozovic P., Ceklic S., Zivanovic M., Stankovic-Petrovic J., Kaljevic J. |
| A radiological incident with a radioactive lightning rod source found in a vehicle used by film crewmembers: a case study                | Olivera C.-B., Lazarevic D., Arandjic D.   |
| Methods used for estimation of radiation and chemical hazards in humans  | Jokisć G., Filipović J., Šobot A.V.  |
| Determination and detection of the CWA in different matrices by capillary column electron impact GC/MS                                   | Tošić M.S., Nikolić Ž.M., Lebedinskaya L., Cekovic B., Milovanovic D.S., Brdaric T.  |
| Detection and desorption behavior of warfare agents at outdoor conditions after application on different surfaces                        | Nikolić Ž.M., Tasic G.S., Lebedinskaya L., Cekovic B., Nikolić V.M.  |
| Cyber Diplomacy; a Peaceful Solution to Bring an End to International Cyber Conflicts  | Khosravi A.  |

# Poster Session

| POSTER TITLE   | AUTHORS  |
|--|--|
| Effective responder communication improves outcomes during mass decontamination  | Carter H., Drury J., Rubin J., Williams R., Amlot R.   |
| Applying Behavioural Science Research to CBRNe Incidents   | Robertson C., Jones E., Amlôt R.   |
| A Mobile Complex System for fast internal contamination monitoring in radiological emergency   | Vilardi I., Antonacci G., Battisti P., Castellani C.M., Del Gaudio D., Di Giuda M., Giardina I., Iurlaro G., Mancinelli S., Sperandio L. |
| Plant and Food Biosecurity   | Gullino M.L., Colla P.   |
| A novel active interrogation system for special nuclear material detection and interdiction  | d'Errico F., Felici G., Zagarella R.   |
| Drones defensive measures in Italian agriculture from an Agroterrorism perspective   | Rossetti P.  |
| Operational Security Factors implementation in a Multidisciplinary Integrated Model for Security Management (MIMGS): Drones/Anti-drones systems in physical protection of nuclear facilities | Rossetti P.  |
| Surveillance and control of <i>Acinetobacter baumannii</i> in hospital infections  | Sambalotti R., Ludovici G.M., Meola M.   |
| Considerations about how climate changes can influence the design criteria for the National Repository for Radioactive waste   | D'Auria M.C., Chiaravalli F., Ventura G.   |
| R/N Threat Detection and Identification Mobile System  | Buizza C., Bucci A.  |
| GDA-P Handheld detector for chemical warfare agents and toxic gases  | Malizia P., Klähn S., Münchmeyer W., Walte A.  |
| Building a strong CBRNe Scientific Community (TBC)   | Sesler F.  |

*In progress*

# Industrial Exhibition



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DECONTAMINATION SYSTEMS**

 **POLLUTION**



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# Industrial Exhibition







## IW CBRNe 2015



**More than 220 attendees**



# 3<sup>rd</sup> International CBRNe Workshop

## IW CBRNe 2016

*Building a strong CBRNe scientific community*

**25 November 2016**



- ✓ *Scientific speeches*
- ✓ *Poster session*
- ✓ *Industrial exhibition*
- ✓ *Best poster award*

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Department of Industrial Engineering and School of Medicine and Surgery

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