



Università di Roma Tor Vergata

INTERNATIONAL CBRNe MASTER COURSES

Chemical, Biological, Radiological, Nuclear and explosive

Department of Industrial Engineering and School of Medicine and Surgery

International Master Courses in “PROTECTION AGAINST CBRNe EVENTS”

The evolution and increase in Safety and Security threats at an international level place remarkable focus on the improvement of the emergency systems to deal with crisis, including those connected to ordinary and the non-conventional events (Chemical, Biological, Radiological, Nuclear, and explosives).

In every industrial Country there are multiple entities with specialized teams in very specific fields, but the complexity of the events requires professionals that not only have specific know-how, but also expertise in the relevant areas.

Given the global interest in these issues, the Department of Industrial Engineering and the Faculty of Medicine and Surgery of the Tor Vergata University organize the international Master Courses in “Protection against CBRNe events”: I Level Master Course in “Protection against CBRNe events” (120 ECTS) and II Level Master Course in “Protection against CBRNe events” (60 ECTS). These courses aim at providing attendees with comprehensive competences in the field of CBRNe Safety and Security, through teaching and training specifically focusing on real needs.

The creation of the “**Click & Read**” newsletter, that connects directly to the International CBRNe Master website simply clicking on the blue titles of each news, would be a monthly appointment about the main news around International CBRNe Master Courses... and more!

Enjoy!!!

International CBRNe Master Courses

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Click & Read N° 18 - 19 _ Nov - Dec 2015

Special FOCUS

International Workshop IWCBRNe 2015

Unbelievable success for the 2nd International Workshop IWCBRNe 2015 “**CBRNe: new technologies, new strategies, new approaches to reduce the risk**”! More than 200 attendees, included Military and Civil Authorities, started arriving at the registration desk since the opening of the congress venue of the university of Rome Tor Vergata, Villa Mondragone. The Workshop, organized thanks to the cooperation between the Department of Industrial Engineering and the School of Medicine and Surgery of the University of Rome Tor Vergata, and chaired by Dr. Dieter Rothbacher, from HZS, wants to be a meeting point for experts and professionals in the CBRNe field.

The workshop addressed current CBRNe risk scenarios, focusing on:

- 1) How the European countries are facing **DAESH** threats during the economic crisis;
- 2) The use of **chemical agents** to offend and threaten;
- 3) New **civil and military tools** to face CBRNe risk;
- 4) The influence of the **global political situation** on the evolution of non-conventional events;
- 5) **Medicine** and **Biology** to support a prompt CBRNe response;
- 6) **Research, didactic and training**: the real solutions to reduce risks

Works was opened by the Greetings from the Authorities, including the Pro-Rector of the University of Rome Tor Vergata, **Prof. Claudio Franchini**, and from the Delegates of the Department of Industrial Engineering and of the School of Medicine and Surgery.

Several speech were carried out during all the day, both from Delegates of European Institutions, agency and body.

During the morning session, after the speech carried out by the Didactic Coordinator of the International CBRNe Master Courses **Dr. Eng. Andrea Malizia**, focused on the presentation of the results achieved by the Master Courses, an interesting speech about the role of OSCE was carried out by the OSCE Delegate, **Dr. Mathew Geertsens**.

The speech of the Delegate of the School of Medicine and Surgery, **Dr. Giuseppe Liotta**, and the speech of the Delegate of the ECDC, **Dr. Cornelius Bartels**, were respectively focused on the Correlations between Migrations and Epidemiology and on the Ebolavirus outbreak in West Africa.

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A speech titled "Enhance Functionality in Chemical Biological Environments" was carried out by **Dr. Giovanni Longo**, Delegate for W.L. Gore & Associates.

Dr. Michael Thornton, Delegate for JRC-ISPRA, carried out a very interesting speech titled "Teach them how to fish", followed by the speech of **Dr. Giovanni Calabresi**, by SOGIN, focused on the Nuclear plan decommissioning.

Before the afternoon session, during the lunch was the time of the **Industrial Exhibition and of the Poster Session**. Around 10 companies and more than 60 Posters were presented, an incredible success for the Organizing Committee! One poster was awarded as the "**Best Poster**" at the end of the Workshop.

During the afternoon session, **Dr. Ioannis Galatas**, General from the Greek Army, carried out a very interesting speech titled "CBRNe Islamic State - Hoax or reality?". The Delegate of the NATO School at Oberammergau - Germany, **Maj. Andrea Gloria**, focused his speech on the proposal of an innovative International Training Curriculum for Advisors in Emergencies and CBRNe Events.

The speech carried out by the Delegate of Selex ES, titled "CBRNe experience: the European project EDEN", was taken by **Dr. Valeria Fontana**, before the very interesting speech by **Dr. Boban Cekovic** from HZS discussing the Use of Toxic Industrial Chemicals as Chemical Weapons focusing on a Case Study and investigative challenges in Syria.

Concluded the technical speech the one carried out by **Dr. Federico Sesler** from the Italian Centre for Strategy and Intelligence (CISINT), titled "OSINT to fight Terrorism" and the one by **Lt. Col. Bernd Allert** from German Army focused the attention on the CBRN Defence within the Framework Nations Concept.

Before the press conference on the CBRNe book series, carried out by ARACNE, that closed this amazing day, **Dr. Zahid Zahidullah** was awarded for his Poster as the "Best Poster".

The whole Directive Board of the International CBRNe Master Courses, together with the Organizing Committee of the IW CBRNe Workshop, want to say thanks to all the Speakers, Military and Civil Authorities, Posters Authors, Delegates from Industries, Attendees and everybody contributed to the success of this event.

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Photogallery

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More pictures and videos

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12.15.2015 - NEW SCIENTIFIC PAPER PUBLISHED!

It is a great pleasure to announce that the paper: [Development of a SPME-GC-MS based method for analysis of organochlorinated smoke agents in soil and its application to a former military site samples](#) by Alessandro Sassolini et al., has been published on the scientific journal Malaysian Journal of Analytical Sciences.

This journal is index on



This is another product of the collaboration between students and Military, Public and Private entities cooperating in the Master

12.14.2015 - 20th Anniversary of collaboration between ISA (Istituto Superiore Antincendio) and Research World

On November the 26th, at the commemoration of "the twentieth anniversary of collaboration between [ISA \(Istituto Superiore Antincendio\)](#) and University, world of research and professional associations", the research QEPM group was invited to participate in the debate on the issue of disclosure of Safety and security culture and on the benefits of collaboration between research, training and professions.

On this occasion the numerous and fruitful activities that the QEPM group conducts in close collaboration with the Italian National Fire Corp were presented, many of them arising from their cooperation, introduced as part of the international Master Course in protection against CBRNe events.

Mariachiara Carestia (research fellow of the QEPM group) masterfully presented the fruits of this collaboration, from training [\(read more...\)](#)

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12.03.2015 – Final Workshop European Project PON-SNIFF

SNIFF (Sensor Network Infrastructure For Factors)



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[11.27.2015 - Maj. Andrea Gloria appointed as member of the Scientific Committee](#)

According to the D.R. n. 2357/2015 that re-activates the 2nd level International Master Courses in "Protection against CBRNe events" (Advanced course) for the Academic Year 2015/2016, the Coordinator appointed Maj. Andrea Gloria as member of the [Scientific Committee](#).



Major Gloria's career is based on international exercises and activities and includes attendance at several international military courses focused on CBRNe Defence. He took part in military operations in Iraq, Kosovo, Lebanon and Afghanistan. Maj. Gloria was appointed in September 2013 to the NATO School of Oberammergau (Germany) as CBRN Defence Course Director and Instructor.



At the NATO School Maj. Gloria is also the Director of the 'Biological Warfare Defence Awareness Course', attended by the students of the II Level Master Course.



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11.23.2015 - DAESH MEDIA WARFARE - the language of social media in the Islamic State

Great success for the DAESH MEDIA WARFARE Course, proposed as didactic activity of the II Level Master Course and representative of an intensive collaboration with CISINT (Centro Italiano di Strategia e Intelligence)



The Course aimed at understanding the IS language through the social networks.

11.21.2015 - CBRNe BOOK SERIES : Third Book Published

We are glad to announce that the third book of **CBRNe BOOK SERIES** has been published: [RADIOATTIVITÀ: UN MANUALE PER I FIRST RESPONDER](#)

written by: **Ing. Romeo Gallo**, Italian Fire Brigades

The Directive and Scientific Board of the Master want to thanks the author for this beautiful work!

Now the web - site of the Master has been integrated with a new page: CBRNe Book series **WEB PAGE** with all the details of this new initiative.

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New edition 2015/2017

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