



MASTER CBRNe

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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04.01.2016 - NEW SCIENTIFIC PAPER PUBLISHED!

It is a great pleasure to announce that the paper:

"Testing the accuracy ratio of the Spatio-Temporal Epidemiological Modeler (STEM) through Ebola haemorrhagic fever outbreaks"

has been published on the scientific journal: Epidemiol. Infect. (2016), 144, 1463–1472.
© Cambridge University Press 2015 [doi:10.1017/S0950268815002939](https://doi.org/10.1017/S0950268815002939)

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03.31.2016 - ICFDT 2016

ICFDT 2016

The aim of this interdisciplinary conference is to bring together different scientific communities, laboratory plasmas, astrophysics, nuclear particle physics, accelerators, lasers, medical equipments and industrial applications, to discuss diagnostic measurements and technologies with a view to defining new strategies of common interest.

The conference is interdisciplinary and the most of the sessions are organized with tutorials and oral presentations. The tutorials are aimed at keeping up-to-date information in the field of the session, in a form suitable (...)

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[03.30.2016 - A representative of the International Master Courses visits Flinders University in Adelaide](#)

The Flinders University in Adelaide (Australia) invited a representative of the Directive Board of the International Master Courses in "Protection against CBRNe events" for a visit during the month of April.

The main aim of the visit will be the sharing of training knowledge for the development of an online CBRNe course.

Further updates during the next days...Keep in touch!

[03.29.2016 - NEW SCIENTIFIC PAPER PUBLISHED!](#)

It is a great pleasure to announce that the paper: Weapons of Mass Destruction: A Review of its Use in History to Perpetrate Chemical Offenses by Alba Iannotti, Igino Schraffi, Carlo Bellecci, Andrea Malizia, Orlando Cenciarelli, Daniele Di Giovanni, Leonardo Palombi & Pasquale Gaudio

has been published on the scientific journal: *Defence S&T Technical Bulletin*, Vol. 9, Num. 1, Year 2016, pp. 39-52, ISSN 1985-6571

This journal is index on SCOPUS.

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[03.26.2016 - DAESH: Terrorisms 2.0](#)

A very interesting interview by a former student of the International CBRNe Master Courses, Dr. Mario Avantini, was published by the online journal "Voce d'Italia".

The topic faced, very actual, is the Islamic terrorism. Follow the [link](#) to read the interview (in Italian).



[03.25.2016 - Icebreaker Party](#)

An Icebreaker Party has been concluded today, after the Master Activities, together with some of the Students from the 1st and 2nd Level International CBRNe Master Courses and representatives of the Directive Board and Didactic Board.



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03.24.2016 - End of the module on Radiological and Nuclear Agents

Today, at the end of the module on R-N agents, the students of the 1st Level Master Course have been actively involved in an interesting training activity on radioprotection.

The Directive Board would like to thank Dr. Marco D'Arienzo and Dr. Massimo Pinto from ENEA, Prof. Riccardo Santoni from University of Rome Tor Vergata, Dr. Duncan Brierley from Hotzone Solutions Group and Mr. Fabrizio Malaspina from Italian Fire Brigades for providing their expertise to the success of the module.



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03.23.2016 - Dr. Luca Rotondi del Vando participated as trainer for Roma Capitale

Dr. Luca Rotondi del Vando, a deaf former student of the 2nd Level International CBRNe Master Course, participated as trainer for Roma Capitale in an interesting cycle of training meetings on the **Italian Sign Language** (ISL, *Lingua Italiana dei Segni* - LIS).

For more information about the event, [follow the link \(in italian\)](#)

Many congratulations to Dr. Rotondi del Vando for his efforts to share his expertise from the whole Directive Board of the International CBRNe Master Courses. **Bravissimo Luca!**



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03.21.2016 - Started today the II Level Master Course in Protection against CBRNe Events

Today morning **Prof. Sandro Mancinelli**, on behalf of the University of Rome Tor Vergata, of the Department of Industrial Engineering and of the School of Medicine and Surgery, welcomed the new Master Candidates inaugurating the seventh edition of the Second Level Master Course in Protection against CBRNe events.

The **Second Level International Master Course in Protection against CBRNe Events**, which has come this year to its seventh edition, is the only course in the world which releases an academic international qualification in the CBRNe field. This Master Course started in 2009 thanks to the collaboration between the Faculty of Engineering and the one of Medicine and Surgery, and was an answer to a specific request of the Italian Defense Ministry which needed to form the officers of the Engineering Unit and to qualify them academically in the CBRNe field. The Master became renowned under the guidance of the two Faculties, and it became in the A.Y. 2013/2014 an International Master.

The Directive Board and the Didactic Management Unit of the International CBRNe Master Courses welcomed again the new Students wishing them a pleasant and successful Course!



See the pictures!!!

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03.20.2016 - Lectures at 1st level Master Course - CBRNe in Military Environment and CBRNe terminology

Two interesting topics were faced by LTC Fabrizio Benigni and LCDR Luca Tedesco, respectively from Italian Army and Navy, during the lessons carried out at the 1st level International CBRNe Master Course.

The lesson by LTC Benigni faced topics related to CBRNe in Military Environment, while the lesson by LCDR Tedesco focused on CBRNe terminology.

The whole Directive Board expresses his thanks to the two Lecturers for the great contribution to continuously improve the teaching level at the International CBRNe Master Courses.



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03.16.2016 - CBRNe in Law Enforcement Environment

Today **Dr. Massimo Pedemonte** from Italian State Police carried out a very interesting lecture on the topic "**CBRNe in Law Enforcement Environment**" at the 1st Level International Master Course in Protection against CBRNe Events.

During the lecture Dr. Pedemonte faced important topics relating to the Law Enforcement and CBRNe from the point of view of the State Police.



[See more pictures!](#)

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03.14.2016 - Welcome to the Students of the 1st Level International CBRNe Master Course

This morning, in the "Aula Ruffino" (Building of Industrial Engineering), the Directive Board of the International Master Courses in Protection against CBRNe Events welcomed the 1st Level Students of the New Course 2015/2016-2016/2017.

The Directors of the Industrial Engineering Department, **Prof. Marco Gambini** and of the Biomedicine and Prevention Department, **Prof. Leonardo Palombi (that is also the Director of the Master Courses)**, have conveyed the greetings of the respective Faculties.

The Master Course was introduced by **Prof. Carlo Bellecci**, **Prof. Pasqualino Gaudio** and **Dr. Andrea Malizia**, respectively President of the Scientific Board, Coordinator and Didactic Coordinator ([read more...](#))



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03.11.2016 - Thesis Defence - I Level International CBRNe Master Course

The final defence of the Master Thesis took place today.

The title of the thesis were:

1. PROPOSAL FOR A NEW APPROACH OF ITALIAN POLICE ENFORCEMENT TO THE CBRNE SCENARIOS (by Tony Bonitadibus);
2. CRN EFFECTS ON HUMAN BEINGS: DEVELOPING A TOOL FOR FIRST RESPONDERS (by Rachele Brancaleoni);
3. THE LIVE AGENT TRAINING IN CONFINED SPACE (by Gaetano Carminati);
4. CBRNe FIRST RESPONDER. THE APPLICATION IN PREVENTION ACTIVITIES: THE OSCE MODEL. AN OPPORTUNITY OF PERSONAL AND PROFESSIONAL GROWTH (by Andrea Ciani);
5. AN INTERPRETATION OF CRISIS IN TERMS OF CULTURE, BEHAVIOR AND COMMUNICATION (by Luca Di Persio and Roberto Petruccelli);
6. COMMUNICATIONS IN EMERGENCY (by Tizian Domenici);
7. THE OPCW AND GIOIA TAURO CASE STUDY (by Giancarlo Romana).

Greetings from the Directive Board of the International CBRNe Master Courses to all the students that achieved the Title today and complete this important experience!

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1st Level Thesis Defense



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03.10.2016 - Welcome to Admiral Giacinto Ottaviani to the Scientific Board



Rear Admiral **Giacinto OTTAVIANI** was born in San Benedetto del Tronto (AP) the 19th of July, 1964 and attended the Italian Naval Academy from 1983 to 1987.

Afterwards, he spent several years onboard of warships as Navigator and Comms Officer. From July to December 1988 he took part in the naval operations during the first war in Persian Gulf in order to protect national merchant ships sailing in the area.

From 1994 to 1995, appointed Commanding Officer of patrolling warship CASSIOPEA, he was two different Nato Operations against international terrorism ([read more...](#))

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New Gadget Available!



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