



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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Click & Read N° 41 - November 2017

[11.29.2017 - Winners of 2017 OPCW–The Hague Award Announced](#)

This is the press of the Italian Ministry of Foreign Affairs and the words of the Minister Angelino Alfano of the 27 of November 2017: ***Today, at The Hague, the OPCW-The Hague Award 2017 was assigned to two International Master courses in the protection against CBRNe (chemical, biological, radiological, nuclear and explosive events) of the University of Rome "Tor Vergata" at the 22nd Conference of the States Parties of the Organisation for the Prohibition of Chemical Weapons.***

The 45,000 euro award was handed over to Prof Leonardo Palombi, the Director of the Master Courses and of the Department of Biomedicine and Prevention, by the Director General of the OPCW, Ambassador Ahmet Üzümcü, at the presence of the Italian Ambassador in The Hague and of the Head of the National Authority for the Implementation of the Convention for the Prohibition of Chemical Weapons.

"Italy staunchly supports any initiative aimed at promoting the implementation of the Convention on Chemical Weapons which prohibits their use and requires their destruction," said Foreign Minister Angelino Alfano. He added: "My congratulations to Tor Vergata University that, through its curricula, supports this strategic goal." The two "Protection from CBRNe events" International Master Courses (1st and 2nd level), entirely taught in English, aim to train professionals to operate on the ground and to provide technical support in managing emergency situations arising from chemical, biological, radiological and nuclear events. Since 2009, the two courses have trained more than 170 experts, becoming a point of reference of absolute relevance in the academic world. The National Authority for the Implementation of the Convention for the Prohibition of Chemical Weapons established at the Directorate General for Policy and Security Affairs put up its candidacy for the 2017 prize in close coordination with the Italian Embassy in The Hague. (...read more...)

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Speech for the award:

<https://www.youtube.com/watch?v=GmS4RtxFtbE>

Interview:

<https://www.youtube.com/watch?v=mSi2osHS5k0>

Press:

LINK: http://www.esteri.it/mae/en/sala_stampa/archivionotizie/comunicati/premio-opcw-the-hague-award-2017.html

LINK: <https://www.agenzianova.com/a/5a1c43b6044e21.09520971/1721533/2017-11-27/difesa-premio-opcw-the-hague-award-2017-per-la-prima-volta-riconoscimento-va-all-italia>

LINK: <https://www.opcw.org/news/article/winners-of-2017-opcw-the-hague-award-announced/>

LINK: <http://www.lavalledeitempli.net/2017/11/27/premio-opcw-the-hague-award-2017-ai-due-master-internazionali-delluniversita-tor-vergata-alfano-italia-sostiene-iniziativa-un-mondo-libero-dalle-armi-chimiche/>

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Click & Read N° 41 - November 2017

[11.03.2017 - Cyber and Chemical, Biological, Radiological, Nuclear, Explosives Challenges Threats and Counter Efforts](#)

We are glad to announce that from the cooperation between #MasterCBRN and Landau Network Fondazione Volta under the coordination of the Editors Prof. Maurizio Martellini and Dr. Andrea Malizia the book:

Cyber and Chemical, Biological, Radiological, Nuclear, Explosives Challenges Threats and Counter Efforts

[has been published by the Springer International Publishing AG, as part of the Part of the Terrorism, Security, and Computation book series \(TESECO\)](#)

[DOI: https://doi.org/10.1007/978-3-319-62108-1](https://doi.org/10.1007/978-3-319-62108-1) ; [Print ISBN: 978-3-319-62107-4](#);
[Online ISBN: 978-3-319-62108-1](#); [Series Print ISSN: 2197-8778](#); [Series Online ISSN: 2197-8786](#)

We want to thank the Editorial Board:

#LandauNetworkFondazioneVolta: Fanny Consolazio; Carola Argiolas; Tatyana Novossiolova

#MasterCBRN: Orlando Cenciarelli; Mariachiara Carestia, Daniele Di Giovanni; Colomba Russo; Valentina Gabbarini; Alba Iannotti; Luigi Antonio Poggi; Jean Francòis Ciparisse

and ALL THE AUTHORS for this IMPORTANT ACHIEVEMENT IN THE CBRNeCy community

The Editors, Prof. Maurizio Martellini - Dr. Andrea Malizia

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[11.07.2017 - Nuclear Forensic and Retrospective Dosimetry of the Scuola Superiore di Radioprotezione "Carlo Polvani"](#)

On Tuesday November 7, 2017, Dr. Daniele Di Giovanni, of the Directive Board of the International CBRNe Master Courses, presented a contribution to the course Nuclear Forensic and Retrospective Dosimetry of the Scuola Superiore di Radioprotezione "Carlo Polvani" at the University Parthenope of Naples. The 2-day course saw the participation of students and experts in the fields of radioprotection and nuclear forensic and several Italian authorities dealing with safety and security.

[11.10.2017 - CBE-SECURITY WORKSHOP](#)

The 7th and 8th November 2017 the German Aerospace Center, Institute of Technical Physics has hosted the CBE-SECURITY WORKSHOP (DLR Stuttgart and DLR facility Lampoldshausen) as a starting point of a cooperation on the research activities on CBE detection and identification with laser techniques and on the didactic and training activities of our #MasterCBRN. The meeting has been integrated with interesting visits to the laboratories.

#MasterCBRN is very motivated to start this cooperation.

We want to thank Prof. Thomas Dekorsy and Dr. Frank Duschek and all the staff of his research group for organizing and hosting this event and Dr. Pasquale Gaudio and Riccardo Rossi for participating on behalf of our University supported by Dr. Andrea Malizia and Mariachiara Carestia remotely.

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[11.11.2017 - AIVELA](#)

The XXV A.I.VE.LA. National Meeting is organized in collaboration with University of Rome Tor Vergata, [Department of Biomedicine and Prevention](#), and has been held on 9th-10th November 2017 at the Aula Montalcini of the Faculty of Medicine and Surgery, Rome with the cooperation of our #MasterCBRN. The presentations have been focused on the following topics:

[\(read more\)](#)

The Meeting has been the occasion to commemorate [Prof. Sergio Martellucci](#) (http://www.aivela.org/XXV_Meeting/martellucci-prize.html), a pioneer of the research activity on laser applications, who suddenly passed away last April. [\(read more\)](#)

[11.12.2017 - Royngha Refugees Camps in Bangladesh](#)

Dr. Giada Bellanca, studente of the first level master course in Protection against CBRNe events, is at the moment on duty as medical chief coordinator for #MOAS for the start up of 2 static medical clinic in Royngha Refugees Camps in Bangladesh. Giada and her team are facing every day a deep humanitarian disaster where 600.000 refugees need all the primary care. From 14 october 2017 patients treated are more than 4500 a lot of children and mothers, with an average of 500 patients in 2 medical static tent clinic.

It will be also the topic of the #CBRNMaster thesis of Giada.

We are proud of you!

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[11.13.2017 - Winners of 2017 OPCW–The Hague Award Announced](#)

THE HAGUE, Netherlands — 13 November 2017 — The Director General of the Organisation for the Prohibition of Chemical Weapons (OPCW), H.E. Ahmet Üzümcü, is pleased to announce the decision of the OPCW-The Hague Award Committee to honour the African Centre for the Study and Research on Terrorism (ACSRT) from Algiers, Algeria, and the International Master Courses in Protection Against CBRNe Events at the University of Rome Tor Vergata, as joint recipients of the 2017 OPCW–The Hague Award.

The OPCW-the Hague Award is a legacy of the OPCW receiving the 2013 Nobel Prize for Peace and it recognises individuals and institutions that make an outstanding contribution towards the goals of the Chemical Weapons Convention (CWC). The Award was established in 2014 from the monetary prize accompanying the Noble Prize for Peace and is supplemented by the City of The Hague.

Ambassador Üzümcü congratulated the award recipients and stated: “This year’s winners have furthered the goals of the Chemical Weapons Convention to achieve a world free of chemical weapons. Both institutions tackle issues of vital global importance and at the very heart of OPCW’s work now and for years to come”.

[\(read more\)](#)

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[11.21.2017 - 22nd International Mass Spectrometry Conference](#)

The #MasterCBRN, in the aim of the collaboration with Prof. Gianluca Giorgi (University of Siena, Department of Biotechnology, Chemistry & Pharmacy) and President of the Italian Society for Chemistry (Società Italiana di Chimica) that has been speaker during #SICC2017, are glad to announce that Prof. Giorgi is promoting the 22nd International Mass Spectrometry Conference (#IMSC2018) that will be held in Florence (Italy) next August 26-31, 2018.

The conference will be a unique opportunity to meet experts, acquire news about the state of progression of the research in the mass spectrometry scientific field.

[Click HERE to download the flyer](#)

or visit the web-site to get more information: <http://www.imsc2018.it/>

There are the main topics of the IMSC2018: [read more](#)



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[11.21.2017 - Best paper award @ KDIR2017](#)

The paper titled “Deriving Realistic Mathematical Models from Support Vector Machines for Scientific Applications” has been orally presented by one of the research fellow of the QEP research group, Dr. Emmanuele Peluso, at the KDIR 2017 (Knowledge Discovering and Information Retrieval) conference in Madeira, (Portugal) sponsored by the INSTICC Institute. The scientific committee, considering the required high quality level and novelty of the manuscript, the extremely positive reviews of the referees, the clearness, style and technical level of the presentation hold by Dr. Peluso at the conference, has selected the paper to be awarded with the “best paper award” of the conference.

Dr. Peluso is Winner of the Italian Embassy fellowship for an internship at the European Laboratory for Nuclear Fusion EFDA-JET, Culham Science Centre in 2011. Visiting scientist at JET (Joint European Torus, Culham Science Centre) in different periods during the experimental campaigns C31-C33-C34-C36-C36b-C37 and during the JET Analysis and Modelling Campaign in 2017, has scored more than one year of work abroad in multidisciplinary, international and scientific environments. At the moment he is also an active collaborator in ITER related specific tasks.

These are Emmanuele words after he received the award: “My work deals with the application of advanced statistical tools on magnetically controlled nuclear fusion data, e.g Symbolic Regression via Genetic Programming and machine learning tools; data mining of huge databases is a consequent field of study ([read more](#)).

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[11.22.2017 - 1st Level Master Course - Public Admission](#) [Announcement now available](#)

We are pleased to inform you that the public admission notice for the 1st Level Master Course in Protection against CBRNe events (a.y. 2017-2019) is now officially available.

To download the English version of the Announcement, please click [here](#).

To download the guidelines for the pre-application on the University online system and the tuition fee details, please click [here](#).

[The deadline for the online pre-application is](#)
[December 22, 2017.](#)

For further information, please contact the secretariat

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[11.24.2017 - Radioactivity - A TEXTBOOK FOR FIRST RESPONDERS](#)

The #MasterCBRN are glad to announce that a new book has been published on the [CBRNe Book Series](#) in cooperation with Aracne editore. The book is:

[Radioactivity - A TEXTBOOK FOR FIRST RESPONDERS](#)

[Author: Romeo Gallo](#)

This is the english version of the book number 3 of the CBRNe book series.

Short resume of the book:

CBRN risk cannot be addressed without adequate knowledge. Thought for the First Responder, the book talks about the radiological risks, which can be manifested in civil defense as well as in the most typical of civil protection. Only an accurate analysis of the event that may occur time after time, proper use of appropriate instrumentation and knowledge of radiation protection measures can ensure the safety of rescuers and the population. The paper addresses both theoretical and practical aspects (radioprotection, dosimetry, detectors, contamination, transport) and has over 60 exercises carried out.

Greetings to Romeo Gallo from the Directive Board of the #MasterCBRN

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