



NEWSLETTER

Master CBRNe

Admissions open Academic Year 2017-18

1st Level

Master Course

[CLICK HERE](#)

2nd Level

Master Course

[CLICK HERE](#)



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° 37-38 - July/August 2017

SAVE THE DATE

Informazione su: Armi di distruzione di massa: conoscerle, difendersi

Information Seminar on Weapons of Mass Destruction

September 29, 2017

09.00 – 15.00

Teatro dei Dioscuri al Quirinale, Via Piacenza, 1, Roma

Lecturers: Lazzaro Pappagallo, Domitilli Savignoni, Andrea Malizia, Carlo Biffani, Claudia Marchionni, Ferruccio Di Paolo, Gian Micalessin, Giovanni Ferrari, Tommaso Polidoro

For registration, please follow this link:

<https://sigef-odg.lansystems.it/sigef/eventi/iscriviEvento.jsp?idEvento=10509>

La lingua dell'evento sarà l'Italiano – The language of the event will be Italian

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[08.23.2017 - Master CBRNe memories: A.Y. 2011/2012](#)

“The third edition has been, together with the fourth one, an important fundamental for the production of scientific materials and publications (see the papers published in 2013: <http://www.mastercbrn.com/page/326/cbrne-scientific-papers/>) and for the internationalization process of courses.

The third edition class has furnished also important collaborators that have worked or are still working for us such as Mariachiara Carestia (that completed also the PhD and actually is a post-doc at our University and member of the Directive Board), Simona Pagannone ([read more...](#))

[08.22.2017 - Master CBRNe memories: A.Y. 2010/2011 - PART 2](#)

The important moment that we want to remember in this PART 2 of the #MasterCBRN #memories is an amazing experience that we have done with the class of the 2nd edition of the second level Master course organized by the WL GORE & Associati (under the supervision of Dr. Giovanni Longo) together with the AEROSEKUR spa (represented by Ing. Alessandro Pica) and with the coordination of Dr. Ranucoli.

The students have done, at the University of Rome Tor Vergata, a training with the CBRNe PPE (suit and mask) and we have a video (with some moments of the training and some interviews) that shows how difficult and important is understand the way to do normal actions (like walking, running or writing) wearing the PPE ([read more...](#))

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[08.21.2017 - Newsletter 36](#)

Today the [Click and Read \(36\)](#) with important news about the next editions of the International Master courses in Protection against CBRNe events that you can reach with a click on the pop-up that you will find on the C&R cover.

You can read the previous C&R click [HERE](#)

We want also to share with you all the news and information about research, didactic, training, workshops, conferences, national and international projects related to CBRNe so we have created two pages on the most popular social networks:

- [FACEBOOK: Master Cbrne Tor Vergata](#) - [LINKEDIN: MasterCBRN](#) ([read more...](#))

[08.18.2017 - Master CBRNe memories: A.Y. 2010/2011 - PART 1](#)

There are two important moments that we want to remember in this PART 1 of the #MasterCBRN #memories:

- The first visit at the NBC school of Rieti that, in 2012, thanks to the MoU signed with the Ministry of Defence became an official partner of the Master courses. The NBC school of Rieti is a fundamental partner that has a unique training center, #NUBICH, that reproduce a real city and allow to simulate differently ([read more...](#))

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[08.17.2017 - Master CBRNe memories: A.Y. 2009/2010 - PART 2](#)

In this PART 2 of 2009/2010 rubric #MasterCBRN #memories we want to remember other 3 important moments of the first edition of the second level Master course:

- A selection of the best students has been invited by the WL GORE & Accociati (our sponsor since the first edition of the Master Courses), in the person of our expert and lecturer Dr. Giovanni Longo, to attend an important symposium in Stockholm about Biological and Chemical risks. A unique chance for the students to meet experts worldwide ([read more...](#))

[08.16.2017 - Master CBRNe memories: A.Y. 2009/2010 - PART 1](#)

Today we will start a new rubric called #MasterCBRN #memories.

We will publish pictures and videos of the previous editions of the CBRNe Master courses starting from the first edition of the Second Level Master course, academic year 2009/2010.

This has been a fundamental edition that has been the base to let the progression of the Master started.

The candidates of the first edition have been submitted to a hard program, all the Friday and Saturday for 1 year. Together with the frontal lectures, they have done a lot of training activities in and out of the Universities ([read more...](#))

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[08.15.2017 - An HOT SUMMER for our candidates](#)

It is a very hot summer, especially for our 1st and 2nd Level #MasterCBRN courses candidates. Some of the candidates have a limited quantity of time due to their work issues (i.e. candidates coming from Army, Police, Fire Brigade ect..) and they are working hard on this summer break to take an advantage of their final thesis preparation. Despite the University summer closure the CBRNe Master staff, the tutors and the supervisors are daily supporting each student that needs help.

We are proud to work with such professionals and expert persons that believe in the #hardwork ([read more...](#))

[08.11.2017 - CALL for ABSTRACT: Second International Emergency Medicine Conference](#)

Dear colleagues,

this is to remind you that the Second International Emergency Medicine Conference will be held at the Intercontinental Hotel, Abu Dhabi in October, 23rd - 25th, 2017.

Click [HERE](#) to download the call for abstracts (deadline 21 of August 2017) and important information about the conference.

DO NOT MISS THE CHANCE TO PARTICIPATE AT THIS UNIQUE EVENT.

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[08.10.2017 - MAJ. Marcos Gomez - NBC SCHOOL OF SPAIN](#)

We are glad to publish the interview of Maj. Marcos Gomez, done in 2014 at the University of Rome Tor Vergata.

Maj. Marcos came as a lecturer for the second level Master course host of Cristanini spa doing an interesting lecturer about the CBRNe school of Spain and the Spain capabilities in case of CBRNe events.

[Click HERE to see the full INTERVIEW](#) ([read more...](#))

[08.09.2017 - NEW SCIENTIFIC PAPER PUBLISHED!](#)

It is a pleasure announce that the paper: [Methodology of the source term estimation for DEMO reactor](#) realized by: *Mazzini Guido, Tadas Kaliatka, Maria Teresa Porfiri, Luigi Antonio Poggi, Andrea Malizia, Pasquale Gaudio* has been published on Fusion Engineering and Design, <https://doi.org/10.1016/j.fusengdes.2017.04.101>

The problem of source term qualification is one of the most important topics in order to predict possible releases of the Activation Products (APs) and Tritium from the DEMO Fusion reactor. The prevention of any possible consequence, which can affect the environment and the population, is the mission of Fusion technology. In the frame of the EUROfusion Work Package of Safety and Environment (WPSAE) a methodology to scale and evaluate the source terms assessed for ITER and the Fusion Power Plant Conceptual Study (PPCS) has been studied ([read more...](#))

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[08.08.2017 - Master CBRNe and Dr. Vito Volpetti](#)

Here an interview that we have done in 2015 with Vito Volpetti, former military officer and CBRNe expert from the private sector. At that time Dr. Volpetti was working with the THALEs and now he is working for the Tekne. He is a biologist with an expertise in tech system for CBRNe recognition vehicle and CBRNe sensors.

[LINK of the VIDEO](#)

If you want to see all the video you can visit our [YOUTUBE PAGE](#) ([read more...](#))

[08.07.2017 - Newsletter 33-34-35](#)

Today we will re-start the [Click and Read \(33-34-35\)](#) service with important news about the next editions of the International Master courses in Protection against CBRNe events that you can reach with a click on the pop-up that you will find on the C&R cover.

You can read the previous C&R click [HERE](#)

We want also to share with you all the news and information about research, didactic, training, workshops, conferences, national and international projects related to CBRNe so we have created two pages on the most popular social networks

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08.03.2017 - 5 Scholarships available: that is the begin

We are glad to announce that the second level Master course in Protection against CBRNe won 5 scholarship from [INPS](#) for students that respect the pre-requisites reported on the announcement: click [HERE](#).

Grazie all'accreditamento dell'INPS – Istituto Nazionale Previdenza Sociale, per l'a.a. 2017-2018 sono disponibili 5 borse di studio a copertura totale (€ 7.000, 00) per il corso di Master di II Livello in Protection against CBRNe events a favore dei figli e degli orfani di:

- dipendenti e pensionati della pubblica amministrazione iscritti alla Gestione Unitaria delle Prestazioni creditizie e sociali;*
- pensionati utenti della Gestione Dipendenti Pubblici*

Presenta la tua domanda sul sito www.inps.it a decorrere dal 22 agosto 2017 alle ore 12:00.

Leggi i requisiti di ammissione e le specifiche per la presentazione della domanda cliccando [QUI](#) ([read more...](#))

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[08.02.2017 - Superquark stasera 21.25](#)

We are proud to say that these evening on the national channel RAI1, the NBC school of Rieti will be presented by the television program Superquark. We are proud to let the people know about an Italian excellence and one of the training centers of the first level Master courses in Protection against CBRNe events.

STAY TUNED. ([read more...](#))

[08.01.2017 - New member of the Didactic Board](#)

We are glad to announce that Radovan Karkalic, Associate Professor, PhD (CBRN Department, Military Academy, University of Defence, Republic of Serbia) is part of the Didactic Board of the International Master Courses in Protection against CBRNe events.

He is responsible for the teaching of CBRN individual and collective protection, Technologies of CBRN decontamination and Prevention and acting in the accidental situations (Bachelor, Master and PhD studies).

Instructor for the CBRN protection at the annual OPCW basic and advanced courses in the CBRN Training Center in Krusevac (Republic of Serbia).

Welcome on Board Radovan.

Click here to consult the full [Didactic Board](#).

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[07.31.2017 - STIMA project](#)

STIMA, un innovativo sistema integrato per contrastare la diffusione degli incendi (non finanziato).

Il progetto Sistemi con Tecnologie Integrate per il Monitoraggio di incendi e prima Allerta fu presentato senza successo due anni ad un bando Miur. Ma il tema resta quanto mai attuale.

[LEGGI DI PIU'](#)

[07.27.2017 - NEW SCIENTIFIC PAPER PUBLISHED!](#)

It is a great pleasure announce that two members of our Directive Board (Dr. Pasquale Gaudio and Dr. Andrea Malizia) together with researchers from the [Quantum Electronics and Plasma Physics Research Group](#) (Dr. Michela Gelfusa, Dr. Emmanuele Peluso and Michele Lungaroni) and more than 1200 researchers and experts from all the world have published an interesting article on the overview of the results get with the Joint European Torus to support the project and construction of the International Thermonuclear Experimental Reactor).

[The CBRNe Directive Board experts together with the QEP experts are involved in nuclear fusion research studying the aspects related to the plant safety \(working on the radioactive dust resuspension\) and on the aspects related the diagnostics and the big data analysis.](#) The article, published in the prestigious scientific journal [Nuclear Fusion](#) is ([read more...](#))

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07.25.2017 - CBRNe book series

It is a pleasure announce that thanks to the effort of the colleagues from [ARACNE editrice](#), we have improved the scientific areas related to the [CBRNe book series](#) according to the fact that CBRNe is an interdisciplinary science.

The scientific areas related to the CBRNe book series are:

- Physics Science (AREA 02)
- Chemical Science (AREA 03)
- Biological Science (AREA 05)
- Medical Science (AREA 06)
- Civil and Architecture Engineering (AREA 08)
- Industrial and Information Engineering (AREA 09)
- Law Science (AREA 12)
- Political and Social Science (AREA 14)

We are sure that, with this new approach, it will be easiest for the experts working in the CBRNe sectors propose their works in our CBRNe book series.

We want also remember that it is possible to publish the books both in English and Italian languages.

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[07.24.2017 - SICC2017 INTERVIEW: ANDREA MALIZIA](#)

Dr. Andrea Malizia, PhD. SICC2017 LOC President

SICC2017 is a crucial occasion to let experts, coming from different contexts with different backgrounds, meet and exchange ideas to improve the international CBRNe capabilities.

SEE YOU AT SICC2019!

[INTERVIEW](#)

[07.22.2017 - SICC2017: Interview to OPCW Director General](#)

The OPCW has been successful in the elimination of chemical weapons stockpiles by the verifications of our inspectors. We will focus more now on the prevention of re-emergence of such weapons. This requires a collective endeavour by the OPCW Secretariat but also by State Parties. There are technical and scientific advancements that we need to follow closely and we need to take additional measures if necessary, but also there is a change in the security environment, there are new risks and threats, such as the misuse of chemistry by non-State actors and production and use of chemical weapons by terrorists (read more...)

[INTERVIEW - SUB. EN.](#)

[INTERVIEW - SUB. ITA.](#)

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07.21.2017 - : Results of the marketing campaign

This is something that we always affirm, the importance to work with people having high-level competencies. We have the pleasure to share the study about the results of the marketing campaign published on the [web site of Widerview](#) that show clearly how deep is the difference between the period that we were promoting the conference by ourselves and the one in which Flavio Lenoci, Federico Sunzini and all the staff of Wider View take care of the marketing and communications aspects.

Competencies, high-level knowledge merged with imaginations and the capability to see "over the horizon", this is the vision that we have in common and this is why we are continuing to work with them. A special thanks go also to [Luigi Antonio Poggi](#) a key figure of the CBRNe Master Course that has interacted deeply with Wider View for the marketing and communications aspects.



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[07.20.2017 - New CBRNe Master Courses editions](#)

Today, together with our main marketing partner [Widerview](#), we have started the work for the new marketing campaign for the third edition of the First Master Course in Protection against CBRNe events (Base Level - First Responders) and for the eighth edition of the Second Level Master course in Protection against CBRNe events (Advanced Level - Advisor of Decision Makers).

We have started with the first interviews (visit our [Facebook page](#) to see the album) to Master students (thanks to Giada, Patrick, Salem and Mariachiara) that will be published soon and we will continue with new and interesting idea coming from Flavio Lenoci and Federico Sunzini the two marketing genius that support us also for the preparation of SICC2017.

YOU WILL FIND NEW AND INTERESTING SURPRISE AND NEWS FOR THE UPCOMING MASTER...

....DO NOT LOSE THE CHANCE TO PARTICIPATE AS CANDIDATE!

In this first stage you have just to send you CV to: info@mastercbrn.it, we will tell you all the procedure to follow.

STAY TUNED!!!!

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07.19.2017 - Brains at work

These days approaching the summer break are very dense of activities. In this period all the Directive Board works hard to consolidate the didactic and research results obtained and to create new conditions to work on innovative projects. In the picture, you can see our Dean Prof. Bellecci, with Dr. Daniele Di Giovanni, Dr. Mariachiara Carestia and Riccardo Quaranta working hard on a new research project proposals. In the meantime, Prof. Palombi, Dr. Gaudio, Dr. Malizia, Dr. Cenciarelli and Dr. Ciparisse are doing the same developing different ideas coordinating a huge group of young and talented researchers and PhD students. Valentina Gabbarini, Colomba Russo, Luigi Antonio Poggi and Alba Iannotti are dealing with administration, contracts and law (read more...)



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07.14.2017 - Master CBRNe and NBC school of Rieti

The wonderful work regarding the 14 modules of the First Level Master Course is finished today. The candidates completed the module at NBC School of Rieti with a tech briefing and the use of DSS like Hpach and CBRNe analysis.

At the end of the module Gen. Sossio Andreottola, Dean of the NBC school of Rieti has delivered the participation certificates to the students affirming that, nowadays, the Master like ours are "Fundamental to face the critical International Situations".

We want to thank Gen. Andreottola, all the lecturers, and the Tutor Serg. Ermanno Vecchi for the support and hard work given in these days.



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[07.13.2017 - 1st Level Master Course at NBC school of Rieti](#)

NBC school of Rieti has hosted an important week of training of biological, nuclear and chemical risks with the experts that learn the students how to act in case of CBRNe emergency at the NUBICH training centre, Italian Ministry of Defence.

See the pics on facebook and the [VIDEO on youtube](#).



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[07.12.2017 - The Second International Emergency Medicine Conference](#)

The Second International Emergency Medicine Conference

Intercontinental Hotel, Abu Dhabi

October 23rd - 25th, 2017

Organised by
Emergency and Public Safety Directorate
Abu Dhabi Police, GHQ, UAE

Theme: 'Contemporary Emergency Challenges: Solutions and Evidence-Based Best Practices'

[\(read more...\)](#)

INVITATION

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[07.08.2017 - Master CBRNe at Vinca Institute](#)

On the last day of the training at the Vinča Institute of Nuclear Sciences, the students performed a series of identification of different types of radiation, using the devices introduced during the week and the knowledge acquired in the training. At the end of the practice, all the students have been awarded a certificate of completion of the course and the Vinča Institute of Nuclear Sciences and the University of Rome Tor Vergata proudly confirmed their successful collaboration by exchanging the crests of the respective institutions.

Visit our [Facebook page](#) to see more pictures and the [VIDEO](#)



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[07.07.2017 - NEW SCIENTIFIC PAPER PUBLISHED!](#)

We are very proud to congratulate with Luigi Antonio Poggi, PhD student at the [Quantum Electronics and Plasma Physics Research Group](#) and member of the Didactic Management Unit of our Master for its important publication on the main results of his PhD research on the Journal "Reliability Engineering & System Safety" that is one of the most important international journal for the Engineers.

The paper realized by: Poggi LA, Gaudio P., Rossi R., Ciparisse J.F. and Malizia A. is entitled: [Non-invasive assessment of dust concentration and relative dustiness in a dust cloud mobilized by a controlled air inlet inside STARDUST-U facility](#)

If you want to read the [CBRNe papers](#) please visit the dedicated section of our web-site.

[07.06.2017 - Master CBRNe at Vinca - R/N](#)

Yesterday and today our 1st Level Master Course students are performing some radiological practical training, using Technetium 99m (Tc99m) open sources and full protective gear, at the Training Platform of the Vinča Institute of Nuclear Sciences, in Serbia. They are divided in three groups that, on a rotation basis, will perform three different tasks, coordinated by the trainers of Hotzone Solutions and the Institute's staff, so that each student can practice every activity. The tasks are: separation and removal of radioactive sources from non-contaminated materials, decontamination of big objects (specifically a car) and decontamination of personnel that entered the hot zone where the sources are located ([read more...](#))

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[07.05.2017 - Master CBRNe at VINCA](#)

Yesterday our students of the 1st level Master Course attended their first practical chemical training with live agents at the Vinča Institute on Nuclear Sciences in Serbia. The students dealt with a pesticide, malathion, which is very similar in characteristics and effect to the VX gas (a nerve agent) and has also been used as chemical warfare agent in the past. They learnt how to prepare a sample of the chemical and how to detect the agent with the best detection tools, all in a safe manner, by wearing full protective gear in a safe environment.

They also learned how the task of decontaminating an entire building, whose concrete was contaminated by chemical agents during construction, is being currently tackled by the Vinča Institute of Nuclear Sciences and how these procedures can be applied to other decontamination issues. The students could also visit the building and learn the process in the field directly from the scientists who are dealing with the problem.

All the activities were carried out at the Vinča Institute of Nuclear Sciences with the coordination of the expert trainers provided by Hotzone Solutions ([read more...](#))



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[07.05.2017 - SICC2017 INTERVIEW: Casarrubios](#)

Juan Sánchez-García-Casarrubios, Escuela Politécnica Superior, Universidad de Alcalá

"We have designed a decontamination laboratory, an optimized portable laboratory build inside a container for cleaning and decontamination of CBRNE agents"

Winner of SICC2017 POSTER AWARD

[INTERVIEW](#)

[07.04.2017 -Master CBRNe at Vinca Institute](#)

The students of the first level Master course started yesterday the training activities at the [Vinca Institute of Nuclear Science, University of Belgrade](#), in collaboration with [HotzoneSolution Group](#).

The training will be partially with the Department of Nuclear Science and Partially with the Department of Chemistry together with the instructors of Hotzone Solution. We want to thank our partners for this valuable collaboration and wish to our students a fruitful activity. We want to thank also Dr. Riccardo Quaranta that is participating to the training on behalf of the Directive Board.

You can find more pics on our social channels.

International CBRNe Master Courses

Department of Industrial Engineering, University of Rome "Tor Vergata"

Via del Politecnico 1, Roma, Italy - Zip Code 00173

Phone: 0039 0672597201 - Mail Address: info@mastercbrn.it



MASTER CBRNe



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

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07.03.2017 - II Level CBRNe Master - Thesis Discussion

We are glad to say that today we had the II Session of the Thesis Discussion for the students of the International Master Course in Protection Against CBRNe events (Advanced).

The commission, composed of members of the Directive Board members and from Dr. Vincenzo Trombadore (Public Safety Department, Police State) and Com. Fabio Polidoro (Italian Navy) had the pleasure to assist to the presentation of 5 interesting works focused on different but well-connected topics such as Amatrice earthquake consequences, Navy emergency management, dogs use as CBRNe detectors, Medical emergency capabilities, and OPBW proposals.

Greetings to:

Tiziana Domenici

Rachele Brancaleoni

Monica Meola

Maria Pannuti

and

Saverio Carrozzo

(that receive also the honor of the "bacio accademico") for their journey and work with us.

The Directive Board wish you all the best

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