



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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04.27.2016 - South Australia Health Emergency Department and South Australia Police Department

Two important meetings took place today in Adelaide, Australia, at the Headquarters of [South Australia Health Emergency Department](#) and at the [Victoria building of Flinders University](#) by a representative of the International CBRNe Master Courses currently visiting to the [Flinders University of South Australia](#) and the representatives of the South Australia Health Emergency Department and the [South Australia Police Department](#).

Main topics discussed were the unconventional threats and the strategies to face and reduce the risks, ranging from the academic training and the applied scientific research. The Australian Officers were very interested to the goals achieved by the Master Courses Staff, to which they sent their congratulations.

04.27.2016 - Mariachiara Carestia completed the PhD

On 27 of April 2016, **Mariachiara Carestia**, member of the Didactic Management Unit of the International Master Courses in Protection Against CBRNe events completed her PhD in Industrial Engineering @ the University of Rome Tor Vergata (Sector : Physical, Energetic and Health Science and Technologies, cycle XXVIII) with a final thesis entitled:

"Spectral Analysis of biological agents to implement a tool for fast biological detection"

Greetings for this important achievement from the Directive Board, the Didactic Management Unit and the colleagues of the [Quantum Electronics and Plasma Physics](#)

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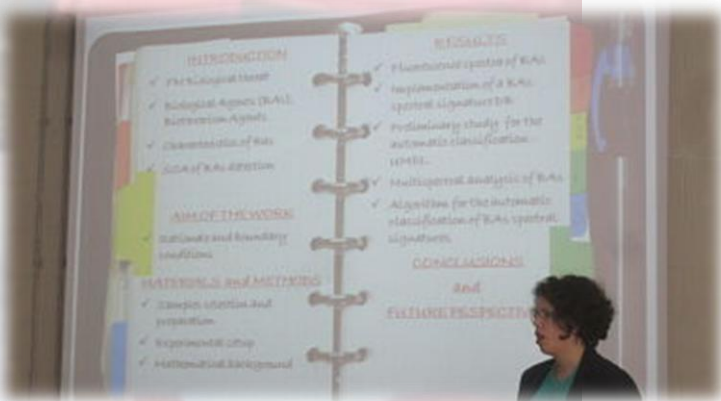


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04.27.2016 - CHEMSS2016

CHEMSS2016 is finish, it has been an exciting experience for the Directive Board Members of the International Master Courses in Protection against CBRNe events, essential to get important connection with Public, Military, Private and Research Entities working worldwide on chemical safety and security.

The interest in the activities of our Master Courses and on the activities of the [Quantum Electronics and Plasma Physics Research](#) group has been huge and we have already started to cooperate with some entities from the USA and Poland.

Acknowledging that for meeting the challenges of a global rise of chemical industries and chemical activities the safety measures and security measures, there is a need for coherent, synergistic and whole-society approaches and introduction of modern chemical safety and security solutions in the supply chain of raw materials, production, infrastructure, transportation and use of chemicals, at local, regional and global levels, and promoting global chemical safety and security culture.

The International Centre for Chemical Safety and Security (ICCSS) in Warsaw, Poland, and the Targi Kielce SA, a leading European fairs and congresses organizer, invite for the [Global Chemical Safety and Security Summit](#) accompanied by [Global Chemical Safety and Security Fair](#).

The [ICCSS](#) and [Targi Kielce](#) invite the national and international partners, industries and academia to join the Summit as co-organizers, sponsors and supporters of this first global chemical safety and security gathering which will bring together the multi-stakeholder audience from all over the world.

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04.21.2016 - 2nd Level Master course - Module 2:

RADIOLOGICAL AND NUCLEAR RISKS

Huge success for the "Radiological and Nuclear Risks" Module of the 2nd Level Master course in "Protection against CBRN Events".

During this week students have learned about radiological and nuclear events, with lectures and experts coming from University of Rome Tor Vergata, ENEA, CISAM and companies specialized in this sector.

The whole Directive Board thanks the Lecturers for the great contribution to continuously improve the teaching level at the International CBRNe Master Courses and a special thanks goes to Professor Carlo Bellecci for coordinating this module.

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18 - 22 April 2016 - Module 2: RADIOLOGICAL AND NUCLEAR RISKS - (Module Coordinator Prof. Carlo BELLECCI)					
	Monday 18 April	Tuesday 19 April	Wednesday 20 April	Thursday 21 April	Friday 22 April
9.00-10.00	Nuclear and Radiological Risk - Generality	Transport of Radioactive Material and irradiated nuclear fuel	Radiological and nuclear unplanned events	R/N effects on human body	R/N - EXAM explanation
10.00-11.00	Nuclear and Radiological Risk - Generality	Transport of Radioactive Material and irradiated nuclear fuel	Radiological and nuclear unplanned events	R/N effects on human body	Module closure and comments
11.00 - 12.00	Nuclear and Radiological Risk - Generality	Storage and disposal of radioactive waste	Radiological and nuclear unplanned events	R/N risks and Radioprotection	Oral test
12.00 - 13.00	Nuclear and Radiological Risk - Generality	Storage and disposal of radioactive waste	Radiological and nuclear unplanned events	R/N risks and Radioprotection	Oral test
13.00 - 14.00	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	End of the MODULE
14.00 - 15.00	Nuclear and Radiological Risk - Generality	Physical Protection and Decontamination in Radiological Events	Radiological and nuclear unplanned events	R/N risks and Radioprotection	
15.00-16.00	Nuclear and Radiological Risk - Generality	Physical Protection and Decontamination in Radiological Events	Radiological and nuclear unplanned events	R/N risks and Radioprotection	
16.00-17.00	Nuclear and Radiological Risk - Generality	R/N detectors	Radiological and nuclear unplanned events	R/N effects on human body	
17.00-18.00	Nuclear and Radiological Risk - Generality	R/N detectors	Radiological and nuclear unplanned events	R/N effects on human body	

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04.20.2016 - Metropolitan Fire Service of South Australia



Today morning a representative of the International CBRNe Master Courses currently guest by the Flinders University of South Australia carried out a Lecture to 40 First Responders, Officers and Scientist Officers of the [Metropolitan Fire Service of South Australia](#) in Adelaide (AU).

The topics faced involved the importance to the preparedness to CBRNe and in particular to unconventional biological events.

Thanks to the Assistant Chief Fire Officer - South Australian Metropolitan Fire Service for the hospitality, to the HAZMAT team and to all the Officers attend the lecture.

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04.19.2016 - CBRNe Master Courses @ Career Day

Great participation at the Career Day organized today by A.L.I.T.U.R. (Associazione Laureati Ingegneria Università di Roma "Tor Vergata").

More than 50 companies are represented at this Forum, that is a good opportunity to successfully enter the world of work.

Our staff is taking part to the event presenting the activity of the CBRNe Master Courses, which guarantee 90% placement of all attendees.



[See more pictures!](#)

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[04.18.2016 - MASTER CBRNe&QEPM research group @ CHEMSS2016](#)

We are very glad to announce that the Directive Board of CBRNe International Master Courses together with the QEPM research group is participating to the [Chemical Safety and Security Summit](#) in Kielce (Poland) at the [TargiKielce Centre](#).

The summit starts today, tomorrow we will have a presentation and Wednesday will be the last day.

The summit is very interesting and more than 400 persons are participating from all around the world and from different contexts (Public, Private, Military and Academic Entities) all together to face the problem of chemical agents diffusion.

The Directive Board wants to thank **Cons. Emmanuele Farrugia** (Member of the Scientific Board of the CBRNe Master Courses from the Italian Ministry of Foreign Affairs) who introduces us to **Amb. Paturej** (in charge for the organization of CHEMSS2016) to let our presence here possible.

It will be an important moment to run new collaboration in order to improve our activities and continue to help the safety and security high level preparation!

**Stay in touch, we will come out with other news
and enjoy the [photogallery](#)**

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04.14.2016 - Table Top Exercise in progress

The Directive Board wants to thank the Ministry of Interior, in particular Arch. Giovanni Ferrari and Dr. Ferruccio Di Paolo who also this year are working on the final TTX.

In these hours the students of the 6th edition of the second level Master Course are working hard on the TTX that will be (together with the final thesis) an important part of the final evaluation.

We will give you more information next week, once the TTX will be finished.

A special thanks to Mariachiara Carestia and Daniele Di Giovanni, our Didactic Management members who every year take care about this activity.

[You can enjoy some pictures in the gallery!!!](#)



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[04.13.2016 - New area on our website](#)

The Directive Board of the International Master Courses in Protection Against CBRNe events is glad to announce that a new area has been created on the web-site.

The area has been divided into:

- [SUPPORTER \(click to visit\)](#)

- [SPONSORS \(click to visit\)](#)

This area will be upgraded soon with interesting multimedia contents.

[04.11.2016 - Talks for Flinders University \(Adelaide, Australia\)](#)

In April 27th, in the framework of the visit of the International CBRNe Master Courses to the [Flinders University of South Australia](#) and to the [Torrens Resilience Institute](#), a representative of the International CBRNe Master Courses will hold two interesting speech titled:

- **Biological events: actual risk and operational response approaches**, devoted to an audience of first responders;

- **Chemical, Biological, Radiological, Nuclear and explosive events: impact on society and the key role of preparedness**, devoted to the participants to the [City Security and Resilience Networks \(CSARN\)](#).

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04.05.2016 - Meeting: Programma Torno Subito

The Directive Board of the CBRNe Master Course together with a group of students from the Master and the Quantum Electronics and Plasma Physics Research Group of University of Rome Tor Vergata will participate tomorrow @ Campus X, University of Rome Tor Vergata, @ 6.00 pm

to the meeting, arranged by EYES Professional Training Service, to learn more about the program "Torno Subito" an important initiative for the students to do an experience abroad and get a real opportunity to find a job.

We suggest you to participate, the event is open.



professional training services

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VIENI A SCOPRIRE I NOSTRI MASTER INTERNAZIONALI
6 Aprile 2016 h 18.00
CampusX Tor Vergata, Via di Passolombardo, 341 - ROMA
RSVP EYES srl 06-40043865 master@eyesitalia.it



INTERAMENTE
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New Gadgets Available!



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