



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° 30 - November 2016

Upcoming event..'

New International Journal – Official Presentation

Rome, 14th of December

Istituto Superiore di Sanità, 3 P.M., aula Pocchiari



Biomedicine & Prevention

An Open Access Transdisciplinary Journal

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Biomedicine & Prevention

An Open Access Transdisciplinary Journal

Biomedicine & Prevention is a peer-reviewed, open access journal that publishes original research papers as well as review articles focused on prevention as well as promotion of health as the converging point of numerous competences in a global vision of Public Health as front-line discipline integrating physics, engineering and life sciences. Reinterpreting the idea of Biomedicine with a "multifocal", holistic approach is the key to rethinking Public Health in order to tackle the future health challenges of our globalized era.



Prevention is a win-win strategy for private citizens and politicians alike. It reduces morbidity and mortality rates and positively impacts quality of life. As an example, the Centers for Disease, Control and Prevention (CDC) report that in the United States between 20 and 40 percent of mortality cases could be prevented through appropriate lifestyle modifications, including improved nutritional habits, increased

physical activity and healthier routines/behaviour in general. Prevention is therefore a cost-effective measure which yields a \$5.60 return for each dollar expended, and this estimate does not include the additional gains related to increased productivity and reduced illness-related absence from work. Building on these principles, prevention can be considered a common good, which involves a variety of different stakeholders, including medical doctors, technicians, researchers and politicians.



Professor Leonardo Palombi, Head of the Biomedicine and Prevention Department of the University Rome Tor Vergata, founded the journal in 2015. The Editorial Board of Biomedicine & Prevention embraces a transdisciplinary approach and vision - the Journal therefore covers a variety of subject areas: environmental sciences, engineering, physics, legal implications and legislations.

Academic Editor

- **Adomo Gaspare** *Transfusional Medicine*
- **Amadori Sergio** *Hematology*
- **Amicosante Massimo** *Lung Disease*
- **Bagni Claudia** *Cell Biology*
- **Barchi Marco** *Developmental Biology*
- **Borgiani Paola** *Genetics*
- **Campagnolo Luisa** *Histology*
- **Di Renzo Laura** *Nutrition*
- **Emberti Gialloreti Leonardo** *Epidemiology*
- **Liotta Giuseppe** *Public Health & Hygiene*

- **Mancinelli Sandro** *Global Health, Hygiene*
- **Orlandi Augusto** *Biomarkers*
- **Pietrojusti Antonio** *Environmental Health*
- **Pompeo Eugenio** *Surgery*
- **Rizzo Giuseppe** *Obstetrics and Gynecology*
- **Schillaci Orazio** *Bio imaging, Nuclear Medicine*
- **Sette Claudio** *Cancer Biology*
- **Ticconi Carlo** *Obstetrics and Gynecology*
- **Toschi Nicola** *Modelling and Medical Physics*
- **Vellone Ercole** *Nursing*

www.biomedicineandprevention.com
bpstaff@biomedicineandprevention.com



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AMAZING SUCCESS FOR IW2016

- ➔ 15 Lectures
- ➔ 41 Posters
- ➔ 12 Companies @Industrial Exhibition



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**The workshop has been concluded with the military Insignia
Ceremony and the CBRNe Master Diploma Ceremony**

Special awards have been assigned to the students

Best Thesis Award for the 1st Level Master Course in Protection Against CBRNe to
Rachele Brancaleoni
Master Edition 2013-2015

Best Thesis Award for the 2nd Level Master Course in Protection Against CBRNe to
Maria Concetta D'Auria
Master Edition 2015/2016

Best Original Thesis Award for the 2nd Level Master Course in Protection Against CBRNe to
Alessandro Costagliola di Fiore
Master Edition 2015/2016.



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11.29.2016 - Master CBRNe at 45 Spirit of the Union Day

The Directive Board of the CBRNe Master Course has participated to the 45 edition of Spirit of the Union Day, the National Day for the United Arab Emirates in the beautiful location of the Waldfor Astoria Hotel in Rome.

The invitation has arrived thanks to the collaboration with the UAE police Department of Abu Dhabi and the excellent collaboration with the students that they sent.

The Directive Board Members (Prof. Carlo Bellecci, Dr. Pasquale Gaudio and Dr. Andrea Malizia) together with their families had the pleasure and the honor to met the **Ambassador Saqer Nasser Alraisi**.

We want to thank the Ambassador, all the Embassy members and the Master candidates to let us have this opportunity important to let the relation between our countries be stronger.



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11.21.2016 - CBRNe Master class (I & II Level) @ Civil Protection Department

Monday 21 of November 2016 has been a special day for the I & II CBRNe Master Courses. Both the classes has been involved in an official visit at National Operations focal point for Italian Civil Protection Department.

The candidates had the chance to see how Civil Protection is able to manage and control all the emergency from its operative heart. It has been a unique occasion for our students that has been possible thanks to the official agreement between our Master and the Italian Prime Minister Office.

We want to thank **Dr. Titti Postiglione** and all the experts that make this day so interest and special.



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11.17.2016 - Master CBRNe & Italian Fire Brigades

It is a pleasure thanks the Italian Training Centre of Fire Brigades of Capannelle, the Commander **Dr.Ing. Emilio Occhiuzzi** and all the experts that today have prepared a unique training activities and laboratories visit for the student of the International Master Courses in Protection Against CBRNe events.

Frontal lessons, training activities, laboratories visit, collective practice and much more are the key factors of the success of this worldwide unique University Course.

A special thanks to **Ing. Perna** and **Ing. Melmeluzzi**, students of the Second Level Master Course and Experts from Fire Brigades that today act like lecturers.



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11.16.2016 - Master CBRNe and PTV

Today the students of the first level Master Course have completed an interesting visit and training activities in the laboratories of **Prof. Andrea Magrini**. This is an important part of the course, the medical management and medical first aid, well coordinated by our Director, **Prof. Leonardo Palombi**, and full of interesting activities like the visit in the laboratories of Prof. Andrea Magrini (former vice-director of our Master Courses).

The medical part is important and a key factor to define our Master Courses fully multidisciplinary and interest in all the relevant disciplines related to CBRNe.

We want to thank the Faculty of Medicine and Surgery for its support.



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11.11.2016 - CBRNe Book series: NEW PUBLICATION

We are glad to announce that has been published the new book in our CBRNe book series entitled:

PROPOSTA DI ESERCITAZIONE PER LA GESTIONE MULTILIVELLO E MULTIDIMENSIONALE DI UN ATTACCO CBRNE SIMULAZIONE CONDOTTA NELLO STATO DI TEGESTE



Written by: **Dario De Masi, Emiliano Luttazzi, Simone Pioletti, Roberto Riccio, Romeo Tomassetti, Vincenzo Trombadore**

GREETINGS TO ALL THE AUTHORS FOR THIS IMPORTANT ACHIEVEMENT!

[CLIK HERE TO GET MORE INFORMATION](#)

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[11.10.2016 - New Scientific Paper Published!](#)

We are glad to announce that the paper:

**Evaluation of hand-held gamma spectrometry instrument as confirm technique for
environmental analysis of thorium in soil**

*By: Laura Milanese, Alessandro Sassolini, Orlando Cenciarelli, Andrea Malizia, Piergiorgio Ventura,
Massimo Chiappini, Stefano Chiappini, Mariachiara Carestia, Daniele Di Giovanni, Valentina Gabbarini,
Gian Marco Ludovici, Leonardo Palombi, Carlo Bellecci, Pasquale Gaudio*

has been published on: **FEB - FRESENIUS ENVIRONMENTAL BULLETIN, Volume 25, N. 9 (2016),
p. 3388-3394**

Greetings to Dr. Laura Milanese, principal investigator of this work.

This journal is indexed on SCOPUS!

You can download the paper [HERE](#)

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11.08.2016 - Centro Sperimentale di Volo di Pratica di Mare

Last week the class of the II Level Master Course has been at the “*Centro Sperimentale di Volo di Pratica di mare*” for a visit and training in one of the excellence of the Italian Ministry of Defense.

The students have visited the training centers, the laboratories and have learned also the practical aspects of the CBRNe events essential as the theoretical and managerial one.

The Directive Board of the International Master Courses in Protection Against CBRNe events want to thank **Gen. Brig. Fabio Molteni**, Commander of the Centre, and all his valuable experts that have done a beautiful work with our class.



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[11.07.2016 - New Scientific Paper Published!](#)

We are glad to announce that the paper:

Chemical Weapons Convention and Its Application Against the use of Chemical Warfare Agents

By: *Alba Iannotti, Igino Schraffl, Carlo Bellecci, Pasquale Gaudio, Leonardo Palombi, Orlando Cenciarelli, Daniele Di Giovanni, Mariachiara Carestia & Andrea Malizia*

has been published on:

Defence S&T Technical Bulletin

VOL. 9 NUM. 2 YEAR 2016 ISSN 1985-6571, p. 110-125

Greetings to Dr. Alba Iannotti, principal investigator of this work.

This journal is indexed on SCOPUS!

You can download the paper [HERE](#)

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[11.06.2016 - OFFICIAL YOUTUBE CHANNEL](#)

We are glad to announce that we have an official youtube channel of the International Master Courses in Protection against CBRNe events.

Click the logo below, visit it, enjoy and **SUBSCRIBE!!!!**



[11.05.2016 - New Scientific Paper Published!](#)

We are glad to announce that the paper:

The Local Effects of a Global Disaster: Case Study on the Fukushima Radiological Emergency Management in Italy

By: A. Abate, A. Sassolini, G.M. Ludovici, P. Gaudio, J.F. Ciparisse, O. Cenciarelli, R. Gallo, M. Carestia, D.Di Giovanni, A. Iannotti, L. Strigari, L. Palombi, C. Bellecci & A. Malizia

has been published on: Defence S&T TEchnical Bullettin VOL. 9 NUM. 2 YEAR 2016 ISSN 1985-6571, p. 126-133

Greetings to Dr. Armando Abate, principal investigator of this work!
This journal is indexed on SCOPUS!
You can download the paper [HERE](#)

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11.04.2016 - AIVELA conference & Master CBRNe

Master CBRNe and QEP Research Group have participated to the XXIV A.I.VE.LA. National Meeting with a work entitled:

"Implementation of optical dust tracking experimental set-up for medical, energetic and agribusiness industry sectors"

A. Malizia, R. Rossi, L.A. Poggi, J.F. Ciparisse, P. Gaudio.

with a work entitled:

The aim of the Meeting is to present the most recent studies and advanced results in the field of non-contact measurements of mechanical, fluid dynamic, thermal, chemical, etc. quantities, with particular attention to optical techniques.

It is the fourth time that we participate to this meeting, we want to thank **Prof. Tomasini** for inviting us every year.



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[11.04.2016 - Master CBRNe promotes PEDIUS](#)

We work, since 2013, with **Dr. Luca Rotondi**, the first deaf student to complete our Master Courses and the first deaf person to successfully complete NATO training courses.

Luca is a "VOLCANO", he is pushing, promoting, organizing and following a lot of initiatives.

One of this is "PEDIUS" the first app that allow deaf people to have a regular phone call.

It is important in a lot of situation, essential in the emergencies.

Here some links for important appointments in Rome:

[LINK 1](#)

[LINK 2](#)

[LINK 3](#)

Thanks Luca, proud of you!!!

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