



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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[03.29.2018 - Displaced Population, Refugees of Multiple Traumas and the World Most Harsh, Injustice and Deterrent Immigration Policies](#)

Dear colleagues,

It is a pleasure announce that the paper: ***Displaced Population, Refugees of Multiple Traumas and the World Most Harsh, Injustice and Deterrent Immigration Policies*** by: Hosin A.

has been published on "Biomedicine and Prevention: An open access transdisciplinary Journal vol. 3 - CBRNe safety. Special issue (PART 2). CBRNe safety: the Biomedicine and Prevention focus point (PART 2): Special issue of the First Scientific International Conference on CBRNE (#SICC2017).

[03.28.2018 - Work-Related Allergic Rhinitis: a contemporary review of the literature](#)

Dear colleagues,

It is a pleasure announce that the paper: ***Work-Related Allergic Rhinitis: a contemporary review of the literature*** by: Maria Paola Balla, Cataldo Marsico, Serafino Ricci, Lidia Ricci, Salvatore Marsico, Pasquale Ricci, Francesco Massoni, Massimo Ralli

has been published on "Biomedicine and Prevention: An open access transdisciplinary Journal vol. 3 - CBRNe safety. Special issue (PART 2). CBRNe safety: the Biomedicine and Prevention focus point (PART 2): Special issue of the First Scientific International Conference on CBRNE (#SICC2017).

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[03.27.2018 - Benchmark Guidance Values for Microbiological Monitoring on Surfaces: a Literature Overview](#)

Dear colleagues,

It is a pleasure announce that the paper: **[Benchmark Guidance Values for Microbiological Monitoring on Surfaces: a Literature Overview](#)** by: Giovinazzo R , Caradonna L, Giaquinta G, Mameli M, Mansi A, Marena G, Mastromartino T, Sarto D and Tomao P

has been published on "Biomedicine and Prevention: An open access transdisciplinary Journal vol. 3 - CBRNe safety. Special issue (PART 2). CBRNe safety: the Biomedicine and Prevention focus point (PART 2): Special issue of the First Scientific International Conference on CBRNE (#SICC2017)

[03.19.2018 - Mycotoxins: a new concern for biosecurity?](#)

Dear colleagues,

It is a pleasure announce that the paper: **[Mycotoxins: a new concern for biosecurity?](#)** by: Gian Marco Ludovici, Orlando Cenciarelli, Mariachiara Carestia, Valentina Gabbarini, Andrea Malizia and Pasquale Gaudio

has been published on "Biomedicine and Prevention: An open access transdisciplinary Journal vol. 3 - CBRNe safety. Special issue (PART 1). CBRNe safety: the Biomedicine and Prevention focus point (PART 1): Special issue of the First Scientific International Conference on CBRNE (#SICC2017)

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[03.16.2018 - Countering Radiological and Nuclear Threats](#)

Dear Colleagues

It is a pleasure announce that the 8th of November 2018 will be held in Rome (Italy) the 4th International CBRNe Workshop "IW CBRNe 2018" - Countering Radiological and Nuclear Threats.

You can find here:

- [The First Announcement](#)
- [The abstract submission form](#)

Best regards

Prof. Francesco d'Errico

IW2018 Scientific Coordinator

*Università di Pisa, Scuola di Ingegneria, and Istituto Nazionale di Fisica Nucleare, Pisa (Italy)
Yale Center for Emergency Preparedness and Disaster Response, New Haven CT (USA)*

and

IW2018 Local Organizing Committee

LOC Directors

Dr. Alba Iannotti, Dr. Colomba Russo and Dr. Valentina Gabbarini

LOC Members

Dr. Daniele Di Giovanni, Dr. Mariachiara Carestia, Dr. Riccardo Quaranta, Dr. Orlando Cenciarelli, Dr. Jean-François Ciparisse, Dr. Riccardo Rossi, Dr. Gian Marco Ludovici, Dr. Andrea Malizia and Dr. Michael Thornton

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[03.15.2018 - Dual-use Molecules from Yeast](#)

Dear colleagues,

It is a pleasure announce that the paper: [Dual-use Molecules from Yeast](#) by: Angela Cirigliano, Rodolfo Negri, Teresa Rinaldi

has been published on "Biomedicine and Prevention: An open access transdisciplinary Journal vol. 3 - CBRNe safety. Special issue (PART 1). CBRNe safety: the Biomedicine and Prevention focus point (PART 1): Special issue of the First Scientific International Conference on CBRNE (#SICC2017)

[03.14.2018 - Dirty Bomb Drones, Physical-Logical Urban Protection Systems and Explosive/Radiological Materials regulation's challenges in the Age of Globalization](#)

Dear colleagues,

It is a pleasure announce that the paper: [Dirty Bomb Drones, Physical-Logical Urban Protection Systems and Explosive/Radiological Materials regulation's challenges in the Age of Globalization](#) by: Pietro Rossetti, Fabio Garzia, Nicola Silverio Genco, Cosimo Rossetti, Simone Scolari

has been published on "Biomedicine and Prevention: An open access transdisciplinary Journal vol. 3 - CBRNe safety. Special issue (PART 1). CBRNe safety: the Biomedicine and Prevention focus point (PART 1): Special issue of the First Scientific International Conference on CBRNE (#SICC2017)

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[03.13.2018 - The ItRC Volunteer Military Corps: Role of Civil Protection and Civil Defense in CBRN Emergencies](#)

Dear colleagues,

It is a pleasure announce that the paper: [The ItRC Volunteer Military Corps: Role of Civil Protection and Civil Defense in CBRN Emergencies](#) by: Gabriele Lupini, Romano Tripodi, Pietro Rossetti

has been published on "Biomedicine and Prevention: An open access transdisciplinary Journal vol. 3 - CBRNe safety. Special issue (PART 1). CBRNe safety: the Biomedicine and Prevention focus point (PART 1): Special issue of the First Scientific International Conference on CBRNE (#SICC2017)

[03.12.2018 - New scientific paper published!](#)

Dear colleagues,

It is a pleasure announce that the paper: [Gemelli Hospital Emergency Plan for Radiological Accident: role and cooperation of health physicist in contaminated victims management](#) by: S. De Novellis, P.M. Soave, R. Brancaleoni, D. Gui, S. Magalini, L. Indovina, M. De Spirito

has been published on "Biomedicine and Prevention: An open access transdisciplinary Journal vol. 3 - CBRNe safety. Special issue (PART 1). CBRNe safety: the Biomedicine and Prevention focus point (PART 1): Special issue of the First Scientific International Conference on CBRNE (#SICC2017)

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[03.09.2018 - Meeting with Maj. Gen. Paolo GIOVANNINI](#)

Dear colleagues,

Today 08 of March 2018 at the Faculty of Engineering of the University of Rome Tor Vergata a representative of the Directive Board and of the Didactic Management Unit had a meeting with Maj. Gen. Paolo GIOVANNINI to talk about possible cooperation and activities related to research, didactic, training:

with **Cepolispe**

(https://www.difesa.it/Protocollo/AOO_Difesa/Esercito/Pagine/E22504.aspx)

and **Cetli NBC**

(https://www.difesa.it/Protocollo/AOO_Difesa/Esercito/Pagine/E23768.aspx).

The meeting has been very fruitful and in the next months you will see the related results.

STAY TUNED!

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[03.08.2018 - Young Investigators Day 2018](#)

Wednesday, March 7 was the Department Young Investigators Day 2018. The scientific program was organized in three oral sessions, Basic Biomedicine, Translational and preventive Biomedicine and New technologies and instrumentations in Medicine and Surgery, and in a guided poster session where all the participants were given the opportunity to orally present their work. During the oral plenary sessions, 12 young speakers presented their work, selected among the 72 abstracts received by the Committee. The speakers were biologists, physicians, physicists, chemists and engineers, a representation of the multidisciplinary nature of our Department. The discussion has been lively and constrained only by time limits imposed by the program. A special thanks to Prof. Testi and to the Organizing Committee from the Rector, The Dean of the Faculty, the Department Director and, in particular, from the young investigators of our Department.

https://biomedicinaeprevenzione.uniroma2.it/news_en/young-investigators-day-2018

The #MasterCBRN directive board group has participated with three works in cooperation with the Department of Biomedicine and Prevention.

"Experimental analysis of biological agents detection in nosocomial aeration systems through optical techniques". Selected for an oral session and presented by Valentina Gabbarini.

"Numerical simulation of an anthrax dispersion in a commercial center". Presented during the poster session by Dr. Jean Francois Ciparisse together with our young student Alessandro Puleio

"eNOTICE a European Network of CBRN Training Centers". Presented during the poster session by Dr. Daniele Di Giovanni and Dr. Mariachiara Carestia our responsible for University of Rome Tor Vergata of the #eNotice project. (<https://www.h2020-enotice.eu/>)

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[03.07.2018 - New scientific paper published!](#)

Dear Colleagues,

It is a pleasure announce that Dr. Pasquale Gaudio and Dr. Andrea Malizia (Coordinator and Didactic Coordinator of the #MasterCBRN) together with other colleagues of the QEP research group (<https://www.qepresearch.it/>) have published, in the aim of a worldwide cooperation with thousands of researchers, a paper on #Nature#Physics

[Kazakov, Y.O. et all \(2017\). Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, Volume 13, Issue 10, Pages 973-978.](#)

[03.06.2018 - eNotice CBRNe - 09 October 2018](#)

Dear Colleagues,

In the framework of the #EU #H2020 Project #Enotice - European Network Of CBRN Training Centers - the University of Rome Tor Vergata, together with Scuola Interforze per la Difesa NBC, will host the first project's Workshop, which will take place at the University of Rome Tor Vergata (#MasterCBRN), and a field exercise in Scuola NBC di Rieti.

Among the foreseen activities, the CBRN serious game that is being developed by Middle East Technical University (METU) as part of the project, will be tested and evaluated.

The project's partners, as well as experts from Europ, will gather together to discuss the added value of the organization of Joint Activities in the framework of CBRNe training, as well as on the key factors to create a sustainable European Network of CBRN Training Centers ([read more](#))

<https://www.h2020-enotice.eu/>

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[03.05.2018 - New scientific paper published!](#)

Dear colleagues,

It is a pleasure announce the publication of: Malizia A., Rossi R. and Gaudio P. (2017). [Optical measures of dust velocities and direction during loss of vacuum accidents in confined environment and correlation between dust positions and properties with the resuspension degrees and the velocity modules.](#)

Journal of Physics: Conference Series Volume 882, Issue 1, 29 August 2017, Article number 012011. (24th A.I.V.E.LA. Annual Meeting; Faculty of EngineeringBrescia; Italy; 27 October 2016 through 28 October 2016; Code 130382).

[03.04.2018 - New scientific paper published!](#)

Dear Colleagues,

It is a pleasure announce that we have published the paper:

Parracino S., Gelfusa M., Lungaroni M., Murari A., Peluso E., Ciparisse J.F., Malizia A., Rossi R., Ventura P., Gaudio P. (2017). [First tests of a multi-wavelength mini-DIAL system for the automatic detection of greenhouse gases.](#)

Proceedings of SPIE - The International Society for Optical Engineering, Volume 10424, 2017, Article number 1042406 (Remote Sensing of Clouds and the Atmosphere XXII 2017; Warsaw; Poland; 12 September 2017 through 14 September 2017; Code 133581)

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03.02.2018 - Module 2 - 2nd level #CBRNMaster course

Dear Colleagues,

It is a pleasure announce that today we have concluded the second module of our #CBRNMaster course entitled:

International Cooperation for Crises, Emergencies & Disasters Preparedness and Management

We had lecturers coming from the different public, military and private structures from all around Europe explaining the legislation and humanitarian problems linked to the CBRNe, the NATO and OSCE rules and its relation with other entities. The management of humanitarian crisis connected to CBRNe and faced from supranational entities, the international medical emergencies system in case of CBRNe events, the approach of fire brigades and civil protections departments all around the world facing the maxi-emergencies (like floods, hurricanes, earthquakes) and the related CBRNe problems. The module has been concluded with an interesting Table Top Exercises that is the core activity of the #MasterCBRN for the CBRNe Advisors of Decision Makers.

We want to thank Col. Allert, Dr. Venier, Dr. Beck, Dr. Bilotta, Dr. De Siervo, Dr. Stienstra, Dr. Marsella, Dr. Iannotti and Dr. Thornton that have contributed in this module as lecturers.

STAY TUNED!

The CBRNe Directive Board

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