



NEWSLETTER

Master CBRNe

1st and 2nd level Master Courses

Extension Submission Deadline 30th November

1st Level

Master Course

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2nd Level

Master Course

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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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10.03.2017 - Master CBRNe and SIGEF

Per ricevere il materiale del seminario scrivere a: malizia@ing.uniroma2.it

An interesting workshop done in cooperation with the Italian Order of Journalists has been done in the beautiful venue of Teatro Dioscuri near Palazzo del Quirinale.

Dr. Andrea Malizia, from our #MasterCBRN, together with colleagues from Ministry of Interior, Journalists, and expert of communications have talked about the WMD and related risks approaching the problem from different perspective. Really an interesting workshop that can become the beginning of a fruitful cooperation between our University and the Italian Order of the journalist.

10.05.2017 - Alessia Amodio winner of "Primo Levi" Prize

It is our pleasure announce that Dr. Alessia Amodio, a former student of the second edition of our second level course (#MasterCBRNmemories) has received an important Prize, "Primo Levi" Prize for the research that she has conducted under the supervision of Prof. Francesco Ricci from the Department of Chemistry of the University of Rome Tor Vergata.

Alessia received this Award from the Italian Society of Chemistry for her work entitled: *pH-controlled assembly of DNA tiles* <http://pubs.acs.org/doi/abs/10.1021/jacs.6b07676>
Published on J. Am. Chem. Soc. 138 (2016) 12735-12738

Greetings from the Directive Board of the #MasterCBRN

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[10.06.2017 - CBRNe book series - Book n. 6](#)

We are glad to announce that the fifth book of the CBRNe book series has been published by ARACNE editrice. The book title is:

[MODELLING E DECISION MAKING - IL CASO DI "DISASTRO NATURALE" ALL'UNIVERSITÀ](#) by [Romina Fucà](#)

It is something a little bit out of the main topics of the CBRNe but it treats an issue that is very important for the University.

We want to thank Romina Fucà and all the people that are daily working to realize this interesting initiative. Click [HERE](#) to see the other publications.

[10.10.2017 - Cepol Course 44/2017 Management of Emergency Situations](#)

Police officers from all across Europe have gathered together for the CEPOL residential course "Management of Emergency Situations" organized by the University of Rome Tor Vergata – #MasterCBRN

The course started on October 9 and sees the participation of high qualified lecturers from institutions and academy who will provide the students with information and relevant updates on this cutting-edge subject.

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[10.11.2017 - G7 Nuclear Safety Security Group](#)

On Wednesday October 11, 2017, a delegation of the #MasterCBRN, lead by Prof. Carlo Bellecci, President of the Scientific Board, is participating in the International Workshop Sustaining Capacity-Building for Nuclear Safety & Security, organized by the G7 Nuclear Safety and Security Group. The workshop focuses on the needs and initiatives of nuclear safety and security, cooperation and coordination mechanisms, challenges in management and decommissions and future steps in the development of sustainable capacity-building for Nuclear Safety and Security. The speakers, the leading world experts on Nuclear Safety and Security, and the participants come from over 25 countries.

[10.12.2017 - Emergency Medicine Conference](#)

A delegation of the University of Rome Tor Vergata, from the International Master Courses against CBRNe events, composed by:

- Prof. Leonardo Palombi, Director of the #MasterCBRN and Head of the Department of Biomedicine and Prevention
- Dr. Andrea Malizia, Didactic Coordinator of the #MasterCBRN and member of the Department of Biomedicine and Prevention
- Dr. Pasquale Gaudio, Coordinator of the #MasterCBRN and member of the Department of Industrial Engineering
- Dr. Alba Iannotti, Member of the Board of Director of HESAR ([...read more...](#))

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[10.18.2017 - NEW SCIENTIFIC PAPER PUBLISHED!!!](#)

The #MasterCBRN are glad to announce that the paper:

[Emergency Department, Sustainability, and eHealth: A Proposal to Merge These Elements Improving the Sanitary System](#)

by : Andrea Malizia, Laura Morciano, Jacopo Maria Legramante, Pasqualino Gaudio, Sandro Mancinelli, Francesco Gilardi, Carlo Bellecci and Leonardo Palombi

has been published in

The Internet of Things Foundation for Smart Cities, eHealth, and Ubiquitous Computing, Edited by Ricardo Armentano, Robin Singh Bhadoria, Parag Chatterjee and Ganesh Chandra Deka. Taylor & Francis Group, 6000 Broken Sound Parkway NW, Suite 300, Boca Raton, FL 33487-2742 CRC Press 2017. Pages 371–390, Print ISBN: 978-1-4987-8902-8, eBook ISBN: 978-1-315-15602-6,

<https://doi.org/10.1201/9781315156026-22>

You can find all the papers about CBRNe: [HERE](#)

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[10.19.2017 - Forensica Nucleare e Dosimetria Retrospettiva](#)

E' con piacere che comunichiamo la prossima partenza del 54° Corso della Scuola Superiore di Radioprotezione "Carlo Polvani" che tratterà la " **FORENSICA NUCLEARE E LA DOSIMETRIA PROSPETTIVA.** "

Il corso di terrà presso l'Università Parthenope (Napoli) i prossimi 6 e 7 Novembre e sarà ospitato dal Dipartimento di Ingegneria. #MasterCBRN grazie alla collaborazione con il **Prof. Francesco D'Errico** e con il **Col. Raffaele Zagarella** (entrambi speakers di #SICC2017 e membri del Board Didattico del Master nonché membri del Comitato Scientifico di suddetto corso insieme al Prof. Massimiliano Lega dell'Università Parthenope ed al Dr. Salvatore Procopio di ARPA Calabria) hanno ricevuto il prestigioso invito di tenere un intervento in questo prestigioso consesso. Il **Dr. Daniele Di Giovanni**, Research fellow del Gruppo di Ricerca di Elettronica Quantistica e Plasmici e membro del nostro Comitato Direttivo, presenterà le attività dei #MasterCBRN e parteciperà alla tavola rotonda di chiusura del corso insieme ad altri ospiti di prestigio.

#MasterCBRN manderà anche due membri del Didactic Management Unit a frequentare il corso in qualità di studenti: **Dr. Jean François Ciparisse** e l' **Ing. Riccardo Quaranta**.

Segue il link della locandina dell'evento con il dettaglio di programma e le istruzioni per l'iscrizione: [LINK LOCANDINA](#).

#MasterCBRN invitano tutti gli interessati ad iscriversi al più presto perchè i posti sono limitati.

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10.20.2017 - Course of Civil and Military Cooperation

It is a pleasure announce that today has been completed the 38° Course for Civil Military Cooperation (COCIM-Cooperazione Civile-Militari) organized by the Italian Ministry of Defence (Centro Alti Studi Difesa), Italian Ministry of Interior and (for the second year) by the International Master Courses in Protection Against CBRNe events.

The course, with more than 40 people (4 of those former students of the Master : Maddalena Lisanti, Roberto Paoletti, Pietro Rossetti and our colleague and didactic board member Gianmarco Ludovici), has hosted 2 weeks of interesting lectures including the one of Dr. Daniele Di Giovanni on the software GATE (Gap Analysis Tool for TTX Evaluation) developed during his Master thesis together with Prof. Ilaria Cacciotti (UniCusano) and Liut. Alessandro Pergolini (Italian Navy). Prefects, experts from the Ministers have realized a great course. The course has been closed today with the ceremony for the diploma delivery.

We are very proud of this important cooperation.



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[10.27.2017 - Emergency Medicine Conference](#)

We want to open this news with an official acknowledgment to the Abu Dhabi Police Corp and to Prof. Amer Hosin for the official invitation that allowed an Italian Delegation to participate at the second [International Conference on Emergency Medicine Conference](#), held in Abu Dhabi the 23-25 October.

A delegation of the University of Rome Tor Vergata, from the International Master Courses against CBRNe events, has presented scientific contributes on safety and security:

- Prof. Leonardo Palombi has presented in the plenary session of 25 of October the activities of the [Dept. in Biomedicine and Prevention](#) about the creation of informatics systems to handle the data coming from hospitals and health centers in order to manage the normal situation and the emergency ones.
- Dr. Andrea Malizia has presented the CBRNe Master courses activities and results and also he had the pleasure to be part of the Joint Consultive Committee and of the Scientific Committee
- Dr. Pasquale Gaudio has presented the results of the optical detectors based on LIDAR and DIAL techniques systems developed from the research group of [Quantum Electronics and Plasma Physics Research Group](#)
- Dr. Alba Iannotti has presented the main projects and initiatives of [HESAR](#) including the [SICC2017](#) conference results and the activities of the newborn INAC

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[10.28.2017 - MASTER CBRNe Memories](#)

Dear colleagues,

It is a pleasure share to photos that we have received in these days regarding two important moments of this year, two important #MasterCBRNmemories:

The G7-NSSG Workshop that has been held in Rome at Palazzo Farnesina with the participation of Prof. Carlo Bellecci and Ing. Riccardo Quaranta representing our Directive Board;

- The I-RAPTER basic course class at the JCBRNe Centre of Excellence in Vyskov-Czech Republic that has been completed by our First Level #MasterCBRN class

Enjoy your vision and STAY TUNED



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[10.29.2017 - XXV A.I.VE.LA. Annual Meeting](#)

The XXV A.I.VE.LA. National Meeting is organized in collaboration with University of Rome Tor Vergata, [Department of Biomedicine and Prevention](#), and will be held on 9th-10th November 2017 at the premises of the Faculty of Medicine and Surgery, Rome.

Papers are sought on the following measurement techniques:

- Laser Doppler Anemometry - LDA
- Phase Doppler Anemometry - PDA
- Particle Image Velocimetry - PIV
- Flow visualization techniques
- Spectroscopic measurement techniques (LIF, Raman, etc.)
- Laser Doppler Vibrometry - LDV
- Electronic Speckle Pattern Interferometry - ESPI
- Holographic techniques
- Shearography
- Digital Image Correlation - DIC
- Moiré techniques,
- Structured light techniques
- Infrared imaging
- Photoelasticity
- Image based measurement techniques
- Ultrasonic sensing
- Acoustic and Aeroacoustic measurements
- Other non contact or minimally invasive measurement techniques.

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