Università di Roma Tor Vergata

INTERNATIONAL CBRNe MASTER COURSES

Chemical, Biological, Radiological, Nuclear and explosive

Department of Industrial Engineering and School of Medicine and Surgery

Preliminary Program

2nd International CBRNe Workshop "IW CBRNe 2015"

"CBRNe: new technologies, new strategies, new approaches to reduce the risk"

The workshop addresses current CBRNe risk scenarios, focusing on:

- ***How the European countries are facing DAESH threats during the economic crisis;***
- ***The use of chemical agents to offend and threaten;***
- ***New civil and military tools to face CBRNe risk;***
- ***The influence of the global political situation on the evolution of non-conventional events;***
- ***Medicine and Biology to support a prompt CBRNe response;***
- ***Research, didactic and training: the real solutions to reduce risks***

University of Rome Tor Vergata
Villa Mondragone
Via Frascati 51 (Monteporzio Catone, Rome)

For registration please contact:
info@mastercbrn.it

www.mastercbrn.com
20 November 2015

Preliminary Program

08.30 - 08.50	Registration
08.50 - 09.00	Welcome greetings from Rector of University of Rome Tor Vergata ***Prof. Giuseppe Novelli*** *– University of Rome Tor Vergata, Italy*
09.00 - 09.30	Presentation of CBRNe courses results *Directive Board of CBRNe Master Course*
09.30 - 10.00	Contribution of Authorities ***Hon. Mario Giro****, Under-Secretary Minister for Foreign Affairs, will introduce the Welcome session*
10.00 - 10.20	The role of OSCE **(O1)** ***Dr. Mathew Geertsen*** *– OSCE, Austria*
10.20 - 10.50	**Coffee Break & Industrial exhibition**
10.50 - 11.10	The correlations between Migrations and Epidemiology **(O2)** ***Prof. Leonardo Palombi*** *– University of Rome Tor Vergata, Italy*
11.10 - 11.30	Ebolavirus in West Africa **(O3)** ***Dr. Cornelius Bartels*** *– ECDC, Sweden*
11.30 - 11.50	*Enhance Functionality in Chemical Biological Environments* ***(O4)*** ***Dr. Giovanni Longo*** *– W.L. Gore & Associates, Inc., Europe*
11.50 - 12.10	Teach them how to fish **(O5)** ***Dr. Michael Thornton*** *– JRC-ISPRA, Italy*
12.10 - 12.30	*New challenges of Nuclear plan decommissioning* ***(O6)*** ***Dr. Giovanni Calabresi*** *– SOGIN, Italy*
12.30 - 14.00	**Lunch & Poster Session & Industrial Exhibition**
14.00 - 14.20	*CBRNe Islamic State - Hoax or reality?* ***(O7)*** ***Dr. Ioannis Galatas*** *– Greek Army, Greece*
14.20 - 14.40	Proposal of an innovative International Training Curriculum for Advisors in Emergencies and CBRNe Events **(O8)** ***Maj. Andrea Gloria*** *– NATO School, Germany*

14.40 - 15.00	Title to be confirmed **(O9)** ***Dr. Eng. Massimo Piva*** *– SELEX Land & Battlefield LoB, Italy*
15.00 - 15.20	Use of Toxic Industrial Chemicals as Chemical Weapons - a Threat? Case Study and investigative challenges – Syria **(O10)** ***Dr. Boban Cekovic*** *– HZS, Austria*
15.20 - 15.40	OSINT to fight Terrorism **(O11)** ***Dott. Federico Sesler*** *– CISINT, Italian Centre for Strategy and Intelligence, Italy*
15.40 - 16.00	CBRN Defence within the Framework Nations Concept **(O12)** ***Lt. Col. Bernd Allert*** *– German Army, Germany*
16.00 - 16.30	Press conference on the CBRNe book series *Book series authors – ARACNE, Italy*
16.30-16.50	Final Greetings Scientific Committee of CBRNe Master Courses
16.50	**Attendance Certification Assignment**

Chairman: Dr. Dieter Rothbacher

Responsible for the International Training activities at the International CBRNe Master Courses

Industrial Exhibition

WL GORE - Italy

Cristanini

Principium

Sogin

DPD Service

Dialog

Preliminary Abstract

Poster Session

	First Author	Affiliation	Topic - Title
P1	Antonelli Luca	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	Image computing techniques to extrapolate data for dust tracking in case o fan experimental accident simulation in a nuclear fusion plant
P2	Aspetti Pio Ciro - Carcano Riccardo	BMD Italy	Progettazione e prototipazione di dispositivo elettronico, avente un sistema radio per la ” remotizzazione” dei dati e che gestisce sensori di diversa natura quali: Pressione respiratore –posizione-temperatura-radiologico
P3	Baldassi Federico	Italian Army	Testing the accuracy ratio of the Spatio-Temporal Epidemiological Modeler (STEM) through Ebola Hemorrhagic Fever outbreaks
P4	Brancaleoni Rachele / Soave Paolo Maurizio	Università Cattolica del Sacro Cuore – Rome/ CBNRe Master Courses	CRN effects on human beings: developing a tool for first responders
P5	Britti Serena	Italian Army	Bioterrorism or natural outbreak? Validation of a discriminative method applied to a real event
P6	Capobianco Luigi / Corrao Salvatore	Ministry of Home Affairs, National Fire and Rescue Service	The Italian CBRN DET ITA 1 Module: an application of a “best practice”
P7	Carestia Mariachiara	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	Fluorescence measurements for the identification of Biological Agents
P8	Carestia Mariachiara	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	Using free license codes to simulate the diffusion of contaminants in case of radiological release
P9	Carminati Gaetano	NBC school - Rieti	The Italian Joint CBRN School
P10	Cenciarelli Orlando	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	A Novel Approach to set up a Quasi Real-Time Biological Agents Detection System
P11	Ciani Andrea	Italian Police Department	CBRNe First Responder. The Application in Prevention Activities: the OSCE example. An Opportunity of Personal and Professional Growth.

P12	Ciparisse Jean-Francois	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	3D Numerical simulation to validate the first experimental measurements during a LOVA reproduction inside the new facility STARDUST-UPGRADE
P13	Cipollone Domenico	Italian Army	Psicologycal health after CBRNe event
P14	Cirigliano Angela – Rinaldi Teresa	University of Rome La Sapienza - Italian Army	Biological dual-use research
P15	Corrao Salvatore / Priori Fabrizio	Ministry of Home Affairs, National Fire and Rescue Service	The International Response System in case of CBRN emergencies: EU and NATO between deployable capacities and new developments
P16	D'Amico Fabrizio / Ventura Piergiorgio	Italian Army	To be defined
P17	D'Auria Maria Concetta	CBNRe Master Courses	LiDAR technology
P18	De Angelis Paolo / Gallo Romeo	Vatican Fire Fighters	Free licence code sto determine radionuclide contamination: 2 case studies
P19	Di Giacinto Marta	CBNRe Master Courses	Food Safety and Biological Risk: Potential Use of Food for Dissemination or Biological Threat
P20	Di Giovanni Daniele	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	Gap Tool for Evaluation (GATE) of CBRNe Drills, Table Top Exercices and Full Scale Exercices
P21	Di Persio Luca	Italian Police Department	To be defined
P22	ENEA (Padoani)	ENEA	To be defined
P23	Farrace M. Giuseppina – Galeotti Francesca	Italian Department of Civil Protection	Environmental effects after flooding in Italy: analysis and proposal of action.
P24	Gabbarini Valentina	CBNRe Master Courses	Viral bioterrorism: learning the lesson of Ebola virus in West Africa 2013-2015
P25	Gabriele Jessica	CBNRe Master Courses	Use of Non-Pathogenig Biological agents as Biological Weapons simulants for the development of a stand-off detection system
P26	Gallo Romeo	Ministry of Home Affairs, National Fire and Rescue Service	Radioactivity - A Manual for First Responders
P27	Gaudio Pasquale	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	The World of Research Working on CBRNe Problems: Laser Remote Sensing Systems for CWA, TICs and TIMs Detection and Identification

P28	Gelfusa Michela	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	Modelling of the signal electronics of JET interferometer-polarimeter
P29	Geri Francesco - Sassu Beppe – Follari Massimo Giuseppe	Italian Department of Civil Protection	EU Host Nation Support Guidelines in case of CBRN Emergency
P30	Gruppo Marinelli Marco	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	Synthetic single crystal diamond diodes for radiotherapy application
P31	Gruppo Marinelli Marco	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	Dosimetric characterization of a synthetic single crystal diamond detector in narrow clinical radiation therapy photon beams
P32	Latini Gianna	AeroSekur	To be defined
P33	Lembo Raffaele – Secchi Alberto	Italian Navy	Study of a DSS for the management of CBRNe events in civil and defence scenarios
P34	Lisanti Maddalena / Martino Pietro	Ministry of Home Affairs, National Fire and Rescue Service	To be defined
P35	Local committee from San Donato V. Comino	Italian Red Cross	Strategic objectives for the Italian Red Cross till 2020
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P39	Ludovici Gian Marco	CBNRe Master Courses	Hospital infection control incurred by *Acinetobacter baumannii*
P40	Lungaroni Michele	Associazione EUROFUSION-ENEA, Department of Industrial Engineering, University of Rome	Symbolic regression with robust metrics to investigate scaling laws in Tokamaks
P41	Malizia Andrea	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	To be defined

P42	Minghetti Salvatore	Ministry of Home Affairs, National Fire and Rescue Service	Campionamento ed Analisi – Laboratori CBRN del nucleo dei Vigili del Fuoco di Venezia
P43	Murari Andrea	-	To be defined
P44	Pacciani Eleonora	CBNRe Master Courses	Design of a scenario simulator for interactive training of medical response to major emergencies
P45	Paoletti Roberto	Ministry of Home Affairs, National Fire and Rescue Service	External emergency plan: Exercise with fire of dangerous substances
P46	Pazienza Michele	Italian Army	Application of Real-Time PCR to Identify Residual Bio-Decontamination of Confined Environments after Hydrogen Peroxide Vapor Treatment: Preliminary Results
P47	Peluso Emmanuele	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	Application of the Symbolic Regression technique via Genetic Programming to derive Empirical Models.
P48	Pietropaoli Stefano	University of Rome 3	An analysis of Ebola Virus Disease 2013-2014 Outbreak in West Africa
P49	Poggi Luigi Antonio	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	Experimental campaign to test the capability of STARDUST-Upgrade diagnostics to investigate LOVA and LOCA conditions
P50	Presciutti Federica	Istituto Nazionale di Geofisica e Vulcanologia (INGV)	Laboratory HPGe detector start up for gamma-ray spectrometry measurements applied to environmental studies.
P51	Riccio Roberto	Italian Police Department	To be defined
P52	Rossetti Pietro	Italian Red Cross	NATO Comprehensive approach in biological defence: preparedness and prevention to a potential bioterrorist Ebola Viral Disease (EVD) attack
P53	Russo Colomba	Department of Industrial Engineering, Univertsity of Rome Tor Vergata	The Importance of a High Level Academic Approach to the CBRNe Problem to improve the Capabilities of Prevention, Management and Evaluation of Consequences
P54	Sassolini Alessandro	ARPA Lazio	SX34 and the decontamination effects on chemical warfare agents (CWA)
P55	Tamburrini Annalaura	CBNRe Master Courses	Techniques for the detection of Biological Agents
P56	Tedesco Luca	Italian Navy	Islamic State and CBRNe, the new threat
P57	Vittorio Badalone	Military Italian Red Cross	To be defined
P58	Volpetti Vito	Thales Italy	CBRNe Threat Detection and Monitoring System Advanced prototype

P59	Zahiddullah Zahid	CBNRe Master Courses	Printed and disposable biosensor based on cholinesterase inhibition for nerve agent detection
P60	Zelinotti Luca	CBNRe Master Courses	International First Responder University Course

In progress

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