

Workshop 1

TITLE:

Chemistry for Secure Societies

CONVENERS

- Vasile Parvulescu, University of Bucharest, Romania
- Genserik Reniers, TU Delft, The Netherlands
- Arben Merkoçi, Inst. Català de Nanociència i Nanotecnologia, Barcelona, Spain

WORKSHOP ORGANIZING COMMITTEE

- Matteo Guidotti, CNR-Institute of Molecular Sciences and Technologies, Milano
- Elisa Michelini, University of Bologna
- Ernesto Salzano, University of Bologna
- Vincenzo Vaiano, University of Salerno
- Stefano Econdi, CNR-Institute of Molecular Sciences and Technologies, Milano

ORGANIZED BY

- SCI Divisions of Industrial Chemistry and Analytical Chemistry
- SCI Interdivisional groups of Catalysis, Security in Chemistry Environment, Sensors

PATRONAGE and SUPPORT BY

- European Chemical Society (EuChemS)
- Order of Malta Italy
- Academy of Sciences of the Institute of Bologna
- National Research Council (CNR)
- Observatory on Security and CBRNe Defence (OSDIFE)
- University of Republic of San Marino Center for Security Studies
- Department of Chemical Sciences and Materials Technology (DSCTM)

- POLLUTION ANALYTICAL EQUIPMENT (*gold sponsor*)
- HIDEN ANALYTICAL (*bronze sponsor*)
- MOLECULES *an Open Access Journal by MDPI (bronze sponsor)*

SHORT DESCRIPTION

The workshop will highlight the pervasive role of Chemistry in the field of security, in terms of detection, prevention, protection, mitigation and defence against the use of hazardous materials, highly toxic chemicals and dangerous products (e.g. explosives, poisons, bio-toxins, radioactive agents) for criminal purposes.

Following a trans-disciplinary approach, spanning from advanced analytical chemistry to materials science, from sensor technology to catalysis, the latest advances in the field of rapid detection, personal protection, decontamination and security policies will be presented and discussed by eminent experts from academia, research institutions, industry and governmental agencies, working on a daily basis for secure, resilient and ethically correct societies.

CALL FOR ABSTRACT:

See general indications for the conference, indicate WS1 or Chemistry for Secure Societies.

INVITED SPEAKERS

- Senior Technical Expert, Italian Firefighters Corps
- Senior Technical Expert, Forensic Police, Italy
- Technical Expert, Italian Army
- Technical Consultant, National Authority for CWC, Italian Ministry of Foreign Affairs and Cooperation
- Vasile Parvulescu, Univ. of Bucharest, Romania
- Genserik Reniers, TU Delft, the Netherlands
- Arben Merkoçi, Inst. Català de Nanociència i Nanotecnologia, Barcelona, Spain
- Fabiana Arduini, Univ. of Rome Tor Vergata
- Chiara Bisio, University of Eastern Piedmont, Alessandria, Italy
- Mauro Marchetti, Sassari Branch of the Institute of Biomolecular Chemistry – CNR
- Murugiah Muthusamy, Fire & Rescue Training Academy, Malaysia
- Raja Subramaniam, Centre for Chemical Weapons Analysis, Malaysia
- Andrei Katsev, Medical Academy Georgievsky, Simferopol, Crimea
- National Authority for the Prohibition of Chemical Weapons, Rome

PROGRAMME OF THE WORKSHOP

2 days: 29th and 30th of August

Day 1 with plenary and keynote lectures and one round table led by leading experts at national and international level from academia and governmental institutions

Day 2 with plenary and keynote lectures and one round table led by relevant experts from industry

Further information and workshop-specific Secretariat

e-mail: chemsec.cis2019@gmail.com

phone: +39 02 50314428

