



INVESTIGATING THE CAUSES OF FIRE

2ND INTERNATIONAL WORKSHOP

TUESDAY, 7 MAY 2013 - 8.30-18.00

ISTITUTO SUPERIORE ANTINCENDI - Via del Commercio, 13 - 00154 Roma

• SCHEDULE

- 8.30/ 9.30 REGISTRATION OF THE PARTICIPANTS
- 9.30/ 9.45 WORKSHOP OPENING AND WELCOME - (**Alfio Pini**, Head of the National Fire Services, Italy)
- 9.45/10.00 OPEN SPEECH **An overview of the Arson phenomena in Italian Malls and Stores**
(**Maurizio D'Addato**, Fire Manager, National Fire Services, Italy)
- SESSION 1 (Chaired by Francesco Notaro, Chief of Fire Investigation Office, National Fire Services, Italy)
- 10.00/10.30 **The role of the statistics in the fire investigation**
(**Esa Kokki**, Research Director, Emergency Services College, Finland)
- 10.30/11.00 **The new investigating paradigm on the scene of the crime**
(**Luigi Saravo**, Lieutenant Colonel, Carabinieri, Italy)
- 11.00/11.30 **The importance of the certification of testing laboratories that perform technical assessments for the investigation (ISO 17025)** - (**Giuseppe Peluso**, Lieutenant Colonel, Carabinieri, Italy)
- 11.30/12.00 - COFFEE BREAK
- SESSION 2 (Chaired by Cristina D'Angelo, Chief of Latina, National Fire Services, Italy)
- 12.00/12.30 **The evidence on the scene of an arson: Italian and International legislation**
(**Donatella Curtotti**, Professor, University of Foggia, Italy)
- 12.30/13.00 **European Cooperation and Collaboration to support Fire Investigation: the roles of the ENFIP Network and the EUFOFINET Project**
(**Robert Stacey**, Project Officer, Fire Support Services, Northumberland Fire and Rescue Service, UK)
- 13.00/13.30 **Fire Ignition Analysis on Photovoltaic Roof and Related buildings**
(**Vincenzo Puccia** and **Piergiacomo Cancelliere**, Fire Officers, National Fire Services, Italy)
- 13.30/15.00 - LUNCH
- SESSION 3 (Chaired by Fabio Dattilo, Head of the Directorate for Fire Safety and Technical Prevention, National Fire Services, Italy)
- 15.00/15.30 **Can computer models be used in fire investigation?**
(**Dougal Drysdale**, Professor Emeritus, University of Edinburgh, UK)
- 15.30/16.00 **An LPG explosion scenario reconstruction based on CFD simulations** - (**Francesco Chillè**, Engineer, GexCon, Italy - **Piergiacomo Cancelliere** and **Armando De Rosa**, Fire Officers, National Fire Services, Italy)
- 16.00/16.30 **The Italian investigating approach in forest fires**
(**Marco Di Fonzo**, Chief of NIAB, Corps of Forest Rangers, Italy)
- 16.30/17.00 - COFFEE BREAK
- 17.00/17.30 **Industrial accidents and fires involving chemical reactors: some case studies** - (**Antonio Pugliano**, Fire Officer, National Fire Services, Italy - **Angelo Lunghi**, INNOVHUB - SSC Fuel Experimental Station, Italy)
- 17.30/18.00 **Causes and dynamics of the multiple explosion occurred in the tank park of a plant that processed raw pomace oil to get edible olive oil**
(**Luca Marmo**, Professor, University of Turin, Italy - **Loris Munaro**, Chief of Venice, National Fire Services, Italy)
- 18.00/18.30 DISCUSSION, CONCLUSION AND REMARKS
(**Fabio Dattilo**, Head of the Directorate for Fire Safety and Technical Prevention, National Fire Services, Italy)

A POSTER SESSION will be arranged from 13.30 to 17.00

Modelling issues in backdraft incident fire reconstruction

F. Ponziani, A. Tinaburri.

Fire testing of photovoltaic modules and subsequent analysis

S. Fontana, F. Notaro, L. Podestà,
G. Longobardo, A. De Rosa, P. Cancelliere

Aging tests on photovoltaic systems components

F. Cristini, F. Notaro, L. Podestà, P. Cancelliere

The use of experimental test in mitigation of damages due to explosions

A. Fidelibus, A. Romano, G. Romano.

Interagency cooperation experience between the carabinieri and firefighters: investigating a fire scene in a disco

B. Cristini, L. Saravo.

Incident Caused By Runaway Reaction At a Chemical-Pharmaceutical Company

L. Tomiato, D. De Dominicis, P. Degan, V. Restaino, F. Dattilo, G. Vassallo, G. Fiocca.

The connection of conventional Scene Investigation methods and Chemical Tests in the case of an arson Fire of a textile manufacture building in Prato (IT)

V. Bennardo, L. Capobianco.

Investigation of two real flash over incidente fire in the hotel

C. D'Angelo, B. Lanzillotta, G. Longobardo.

Investigation a Car park fire

C. D'Angelo, F. Ponziani, A. Tinaburri.

LPG toxicity in confined room: experimental and numerical analysis

E. Salzano, F. Cammarota, A. Di Benedetto, A. De Rosa, G. Longobardo, F. Notaro.

Development and testing of Blender FDS

E. Gissi, F. Notaro, G. Longobardo.

Testing numerical and experimental simulation methods in the fire investigation on a super store arson

B. Cristini, S. La Mendola.

A probabilistic approach to transformer explosion risk analysis

F. Chillè, A. Fracchia.

Toxic gas dispersion simulation with flacs

P. Middha, F. Gavelli.

Fire investigation and modeling of an explosion and fire due to an arsonist in an italian restaurant

C. D'Angelo, F. A. Ponziani, A. Tinaburri.

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The participation to the workshop is free of charge (for info and partecipazione: prev.nia@vigilfuoco.it)