

International Conference

OCCUPATIONAL EXPOSURE AS A FIREFIGHTER

Health Risks and Mitigation Strategies

17-18th October 2024

PORTO



FREE but mandatory REGISTRATION:

Venue:

Instituto Superior de Engenharia do Porto
Auditorium Vítor Santos (Building E)

www.sciencedirect.com

Organizing Committee:

Marta Oliveira, Francisca Rodrigues, Diana Pinto



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Program

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Day 1 (17th October)

09h00 – Registration

Studies on fire fighter exposure in Australia

Queensland Alliance for Environmental Health Sciences, University of Queensland, Australia

The Fire Fighter Cancer Cohort Study: Biomonitoring Approach and Findings

University of Arizona, United States of America

11h00 – Coffee break

Markers of exposure and health effects during firefighting: Insights from Danish studies

National Research Centre for the Working Environment, Denmark

Collaborating with Firefighters in Cancer Control and Prevention through education, research and service: Evidence from the National Firefighter Cancer Initiative

University of Miami, United States of America

Occupational Exposure of Firefighters to Per and Polyfluoroalkyl Substances (PFAS)

Queensland Alliance for Environmental Health Sciences, University of Queensland, Australia

13h00 – Lunch

ALERT-PFAS: Transnational strategy for the detection and prevention of water pollution by PFAS

REQUIMTE/LAQV-NOVA School of Science and Technology, NOVA University Lisbon, Portugal

Physical fitness: a determining factor in the professional activity and in the health of sapper firefighters

Regimento Sapadores bombeiros, Porto, Portugal

Project 4FirHealth – Occupational exposure of firefighters during fire combat: assessment of pollutants' levels and risks for respiratory and urinary system

REQUIMTE/LAQV – School of Engineering, Polytechnic of Porto, Portugal

Project 4FirHealth – Firefighting occupational exposure and early effects on the health of operational forces: evidence from in vitro assays

REQUIMTE/LAQV – School of Engineering, Polytechnic of Porto, Portugal

Project 4FirHealth – Firefighters' occupational exposure and health: Contribution from biomonitoring assays

REQUIMTE/LAQV – School of Engineering, Polytechnic of Porto, Portugal

The BioFirEx Project: Exposure and health impacts of forest fire emissions on Portuguese wildland firefighters

REQUIMTE/LAQV – School of Engineering, Polytechnic of Porto, Portugal

Day 2 (18th October)

Firefighter Exposure to Fire Smoke and Occupational Health Hazards

University of Central Lancashire, United Kingdom

Biomonitoring of fire instructors' exposure to PAHs during controlled fire and mitigation strategies

Grenoble teaching Hospital, Grenoble University, France

Occupational cancer in the fire service

IARC classification, reasons and prevention, science and practical reality. New technology

Danish Firefighters Cancer Society, Denmark

11h00 – Coffee break

Enhancing firefighter safety: innovations in thermal protective clothing with phase change materials

Institute of Systems and Computer Engineering – Microsystems and Engineering of University of Porto, Portugal

Real-Time Wearable Technologies for Team Health and Stress Assessment

Institute of Systems and Computer Engineering – Microsystems and Nanotechnologies (INESC MN), Lisbon, Portugal

Project Gum4Fires – Development and application of a chewing gum with the capacity to withhold pollutants present in fire-emissions

REQUIMTE/LAQV – School of Engineering, Polytechnic of Porto, Portugal

13h00 – Lunch

President of the Portuguese Society of Occupational Medicine and Clinical Director of Occupational Health at Lisbon Municipality

Portuguese Society of Occupational Medicine; Occupational Health Service of the Lisbon City Council, Portugal

Decontamination – practical case of application in the Fire Station of the Municipality of Tomar and occurrences

Coordinator of Municipal Civil Protection, Fire Chief, Civil Protection Division, Municipality of Tomar, Portugal

Presentation of Good Practice Guide - Decontamination after fire Firefighter Mayday Program