



## Technical Workshop on Decision Support System for Fixed Firefighting System Selection

Date : Tuesday, 19 May 2015  
Time : 9:30am– 12:30pm (Registration starts at 9:10am)  
Venue : Auditorium, 1/F, CFSC, 3 Tsui Ping Road, Kwun Tong, Kowloon

### **ABSTRACT:**

The Fire Protection Association and RISC Authority works closely with most major UK insurers, many other organisations and agencies in order to promote good fire safety and loss prevention practice. In the course of its work, the Association has observed a trend of increasingly poor choices when it comes to the selection of appropriate fixed firefighting systems (such as fire sprinkler systems, gaseous extinguishing systems, water mist systems, foam and aerosol systems, etc) for any given application. These systems are an essential fire safety management tool, particularly in potentially high financial and risk consequence scenarios. In the UK and Europe over recent decades regulatory changes have been successful in creating an environment in which more innovation can take place. Increased numbers of fixed firefighting system types are now available to the user. However, not all systems offered are equal in terms of; suitability, cost, maturity of supporting knowledge, and overall performance or in-service reliability. Understanding of the systems' performance and its limitations and how to match this to the assessed fire risk is incomplete among users. There are few experts in the field and consequently access to expert advice is limited and expensive. Poor selections can have a catastrophic effect upon safety, business continuity and resilience.

In a collaboration with Loughborough University, a research project was commissioned to investigate feasibility and develop an Expert System to assist users in making more appropriate fixed firefighting system selections. In the course of the research XpertRule's Knowledge Builder was identified as an adaptable and efficient environment in which to both accumulate and structure the required underpinning knowledge that would form the tool. The focus of this research became developing a fixed firefighting system selection tool to complement existing legislation, which incorporates logic, rules and fire safety educational resources in a variety of formats to aid the fire safety design process. A variety of largely heuristic techniques have been used to aggregate data to form knowledge to underpin fixed firefighting system selection tool. Supporting resources have been incorporated into the tool and signposted to users in order to assist users in evaluating the levels of reliability they might expect from a system in their circumstances. In this form, the tool has been validated by experts as being a useful resource and valuable source of expert information. The developed tool also provides ample opportunity for useful ongoing future development.



## SPEAKER



### **Simon Bird**

**Associate Director, Fire Protection Association**

MEng (Hons) Engineering and Engineering Management, Exeter University. CEng MIET

Simon Bird is Associate Director of Project Consultancy at the Fire Protection Association. Simon began his career in 1999 designing and manufacturing bespoke electronic and mechanical test and measure equipment for use by the telecommunications industry, specifically in optoelectronics, during the major deployment phase of the infrastructure to support the roll out of the World Wide Web. In 2005 Simon became Head of Suppression at the Loss Prevention Certification Board, LPCB (part of BRE). During this time he participated in several standards writing committees (LPCBs Expert groups B and C, BSI FSH 18/2 for fixed fire fighting systems). Simon has project managed many substantial programmes of work on approval of fire suppression systems, including sprinkler and gas extinguisher systems for manufacturers. In addition to this, his work often involved participating or running large consultancy projects in the area of fire safety for public or private sector clients. The role also involved much stakeholder consultation and mediation in developing and implementing new standard for the industry. In 2009, Simon joined the Fire Protection Association's technical division to head up the Project Consultancy and Insurance Services groups. This work has involved experimental and consultancy programmes for a number of clients including fire protection equipment manufacturers and the MoD.

## **Registration & Enquiries**

Date : Tuesday, 19 May 2015

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Venue : Auditorium, 1/F, CFSC, 3 Tsui Ping Road, Kwun Tong, Kowloon

Language : English

Admission : FSICA Members HK\$600.00 Non-Member HK\$800.00

CPD certificate : The seminar is recommended for 2.5 CPD hours, and an attendance certificate will be issued upon request.

Enrolment will be accepted on a first-come-first served basis as seats are limited. To enrol, please complete the attached registration form and fax (3747 3367) or email (info@fsica.org.hk) for reservation, then send the registration form together with enrolment fee to c/o FSICA, Rm 1801, 18/F., Tung Wai Commercial Building, 109-111 Gloucester Road, Wanchai, Hong Kong. For Enquiry: Ms Ling Ho (FSICA) Tel. 2390 6368.



## Enrolment Form

(fax 3747 3367 or email info@fsica.org.hk for registration)

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Company : \_\_\_\_\_

Contact person: \_\_\_\_\_ Email: \_\_\_\_\_

Tel : \_\_\_\_\_ Mobile: \_\_\_\_\_ Fax: \_\_\_\_\_

Address : \_\_\_\_\_

FSICA Member  Others \_\_\_\_\_

	Name (in full)	Telephone	E-mail address
1.			
2.			
3.			

Payment : (Total of Participant: \_\_\_\_\_ x HK\$ )

I/We enclose a crossed cheque (Bank: \_\_\_\_\_ Cheque \_\_\_\_\_) payable to “The Association of Registered Fire Service Installation Contractors of Hong Kong Ltd.” or “香港註冊消防工程公司商會有限公司” to cover the total cost of HK\$ \_\_\_\_\_.

Signature & Company Chop

Date:

Note:

1. A receipt will be issued and mail back to you upon receipt of cheque. No Debit Note will be issued.
2. Enrolment will be accepted on a first-come-first served basis as seats are limited. Priority will be given to members of Organisers
3. Registration confirmation will be issued by email for successful application of the Technical Seminar.
4. The Talk will be delivered in English

**CPD Certificates of Attendance** Please tick the appropriate box to indicate your choice:

Yes, I/ we would like to have CPD certificate(s) .  No, I/ we do not want to have CPD certificate(s).

*Remark:*

*Please submit your technical questions and queries during the registration. Sketch and drawing is recommended for illustrating your question. The organizing committee reserve the right to modify and choose the questions.*