



www.scsc.org.uk/events

This seminar features presentations from leading practitioners on how they deal with safety issues arising from data within systems, or from data used by them, in a number of industry sectors.

Please email chris.dale@scsc.org.uk if you would like to contribute to the panel session.

THE SAFETY-CRITICAL SYSTEMS CLUB

How to stop Data causing Harm

4 December 2012, The Cumberland Hotel, London

System safety clearly depends on hardware, software and the operational environment. But systems also use data: data consumed by the system, configuration data, data about the system (e.g. maintenance records) and even data about users of the system (e.g. competence data). Many systems also now contain vast commercial databases in which faulty data can indirectly impact safety via users or operators (e.g. medical records systems, geographic information systems).

These data-driven safety problems can occur in many industries and in many types of system – e.g. air traffic control, railway traffic management, policing and healthcare. However, current standards and regulations focus on systems and software; handling of the data itself is poorly covered. And the problem is getting worse, due to the growing scale and availability of data. Do we need new standards and better regulation, to ensure that safety data is identified, assessed and managed appropriately?

A panel session will give delegates the opportunity to relate their own experience, or raise issues they are facing.

Cost and registration

To Club members the cost is £195, including lunch and refreshments (VAT is not charged). Non-members pay an extra £95 for Club membership (of which £15.83 is VAT). Joining instructions and the programme will be sent to registered delegates about two weeks before the event. Delegates must book their own accommodation (if required).

Safety-Critical Systems Club: I would like to attend the seminar on 4 December 2012

Name Organisation

Address

Telephone Email Vegetarian: Yes/No

I am not an SCSC member, so need to join and pay £290 I qualify for the SCSC member rate of £195

To pay by cheque, please enclose a cheque for £195 or £290, payable to: Newcastle University (CSR)

To pay by credit card, please complete the following: MasterCard Visa American Express

Name on card Card No.....

Amount to be charged Expiry date Security No

Cardholder's Address

Please return this registration slip with your payment to:

Joan Atkinson, Centre for Software Reliability, Claremont Tower, Newcastle University, Newcastle upon Tyne, NE1 7RU
Phone: 0191 221 2222 Fax: 0191 222 7995 Email: joan.atkinson@newcastle.ac.uk

How to stop Data causing Harm

Tuesday 4 December 2012

The Cumberland Hotel, London

Programme

09:30 **Registration and Coffee**

10:00 Introduction

10:05 Alastair Faulkner
Abbeymeade Limited Introduction – Standards and Industrial Practice

10:45 Paul Ensor
United Kingdom Hydrographic Office The Safety of Data and Information Systems

11:25 Alan Simpson
Ebeni Aeronautical Information – How confident are we it's correct?

12:05 **Lunch**

13:05 SCSC update and an announcement by Mike Parsons of Logica (now part of CGI)

13:20 Ian Bingham and Mike Parsons
Logica (now part of CGI) Safety Data in National Infrastructure Projects

14:00 Mark Nicholson
University of York Topics in Dataware Safety

14:40 **Tea**

15:05 Mike Ainsworth
Altran Praxis Assuring Safety-Related Data – How do we decide data is correct?

15:45 Panel Discussion chaired by
Ron Pierce
CSE International What safety issues are raised by huge amounts of data in highly connected systems? What is most important and urgent? How can we tackle these concerns?

16:25 Closing Remarks

16:30 **Close**