



# THE SAFETY-CRITICAL SYSTEMS CLUB

## What makes a design safe?

3rd April 2014, Hilton Euston Hotel, London

[www.scsc.org.uk/events](http://www.scsc.org.uk/events)

### Who should attend?

This seminar will benefit those involved with development of safety systems: designers, engineers, system architects in all industry sectors. It may also be useful to auditors and assessors who have to decide whether a design is safe.

**Other events at:**  
[www.scsc.org.uk](http://www.scsc.org.uk)

Accident reports tell us that there have been many unsafe designs over the years that have led to loss of life or injury. Hence safe design is fundamental for all systems that can affect people or the environment. In an ideal world, good design would lead to products, services, processes and environments that are intuitive, simple, cost effective *and* safe to use. How can we get closer to this ideal world? Where can we find design principles that achieve these goals and which can be more widely applied? This seminar looks at design examples to see *what makes a design safe*.

The speakers will illustrate their approaches to safe design with examples from a variety of sectors and different application areas. Essential characteristics will be highlighted.

This event is an opportunity to gain insight into design principles for safety systems and to discuss with speakers the concepts and practical techniques of safe design. The event will include a range of talks covering different aspects and a panel session for delegate feedback

### 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 3<sup>rd</sup> April 2014

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](mailto:joan.atkinson@newcastle.ac.uk)

# What makes a design safe?

3<sup>rd</sup> April 2014

Hilton Euston Hotel, London

## Programme

09:30 **Registration and coffee**

10:00 Introduction

10:05 Felix Redmill  
Redmill Consultancy "Some Thoughts on Safe Design"

10:50 Paul Hampton  
CGI UK "Safety Design Patterns"

11:35 Martyn Clarke  
RPS Group "How Can We Recognise a Safe Design?"

12:20 **Lunch**

13:20 SCSC update

13:25 Dewi Daniels  
Verocel Limited "The Philosophy Behind DO-178C and What It Means For Your Software Design"

14:10 Jonathan Earthy  
Lloyds Register "Usable Systems and Competent People"

14:55 **Tea**

15:15 Panel Discussion chaired by Mike Parsons,  
Safety Team Leader at CGI UK

16:25 Closing remarks

16:30 **Close**