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A seminar and workshop organised in collaboration with the IET/BCS/SaRS Independent Safety Assurance (ISA) Working Group

THE SAFETY-CRITICAL SYSTEMS CLUB

Upping your Game – new risks and new ISA challenges

29 November 2011, Ambassadors Bloomsbury, London

This seminar/workshop will discuss how Independent Safety Assurance (ISA) can adapt to future challenges. Some of these arise from the rapid development of both technology and applications, which often goes beyond the guidance available from standards or current practice. Others come from new regulatory frameworks and changes, such as those being adopted in the wake of the Nimrod Review by Charles Haddon-Cave QC. ISAs, and others involved in safety, need to 'up their game' to keep up with the demands and challenges of the changes (regulatory, standards, social and technology).

The morning seminar includes presentations on new challenges for those with safety responsibility.

After lunch, three workshop sessions will enable delegates to debate and identify issues arising from new risks and challenges in the areas of the future of competence, ISA training, and emerging hard problems.

This meeting is a timely opportunity to influence the direction of ISA community guidance. Delegates will leave with peer debated views, able to start their own planning to address the new risks and challenges.

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 ISA seminar and workshop on 29 November 2011

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

Upping your Game – new risks and new ISA challenges

Tuesday 29 November 2011

Ambassadors Bloomsbury, London

Programme

09:30 **Registration and Coffee**

10:00 Introduction

10:10 Jim Thomson
Safety in Engineering Ltd
Fukushima and its Consequences

10:50 Bob Gregory
Rolls Royce
Reliability for High Availability Systems

11:30 **Coffee**

11:50 Rhys David
Safety Assurance Services
and Daz Stephenson, MoD
Challenges for MoD ISAs

12:30 Terry Fisher
dstl
Defensive Aids Strategy

13:10 **Lunch**

14:10 SCSC update

14:15 Workshop Brief

14:20 Workshops (including ad-hoc tea and coffee from 15:00)

Session 1
Competence
How do you demonstrate competence and adapt to the new challenges? Are competencies too rigid for a changing environment?

Session 2
Training of ISAs
How best should this be achieved? Can a relevant syllabus be designed? Is there a balance of academic to experience based training?

Session 3
Emerging hard
problems for ISAs
Are traditional approaches for assessing risk appropriate? What are the bounds of modern safety: public view, security view, political view? Where is technology leading?

15:25 Workshop Reports

16:05 Workshop Question and Answer Session

16:35 **Close**