

For Immediate Release

Defence Summit Asia 2011 Addresses Dangerous Software Failures in Military Operating Environments

Singapore, 16 June 2011 – At the upcoming Defence Summit Asia 2011 this July, K2B International is collaborating with iSys Integrity Limited to lead discussions on ensuring systems safety by mitigating software failures in military operating environments. Taking place at Orchard Hotel Singapore from 5 – 7 July 2011, this three-day event will establish a common understanding among military participants focusing on the complexity and challenges that the engineers and programme managers have in assuring software safety within the military systems context.

“Despite the efforts to prevent software failures, some militaries still face systems breakdown due to software upgrades, despite extensive pre-testing of the software. Safety is a systems property and dangerous software failures are often due to inadequate allocation of system safety requirements to software elements,” said Dr. Carl Sandom, Director and Principal Consultant of iSys Integrity Limited.

The Software Systems Safety course will be presented by Dr. Carl Sandom of iSys Integrity Limited, an independent systems safety consultancy operating in Europe and North America and specialising in systems and software safety certification within the aerospace and defence domains. Dr. Sandom is a renowned expert in this field, with more than 30 years of experience in high-integrity systems and software safety engineering, human factors and training.

“We are confident that participants will gain insights and knowledge of software safety issues to advance their organisation’s success in the military domain,” said Noni Goh, Conference Manager from event organiser, K2B International Pte Ltd.

For the full details of Software Systems Safety event, please visit <http://www.defencesummitasia.com/software-systems-safety> .

- End -

About Defence Summit Asia 2011

Defence Summit Asia 2011 is the 3rd annual summit focusing on the technology and systems development of defence capabilities. This year, the focus is on ‘Integrated Forces’. Alongside is 3 concurrent training courses – Electronic Warfare, Military Wireless Communications and Software System Safety, will be held from 5 – 7 July 2011. This Summit provides platform for all militaries to gather and discuss on potential opportunities, higher capabilities achievement, yet solving complex issues that will occur in achieving the milestone of Integrated Forces. For more information, please visit www.defencesummitasia.com .

About K2B International Pte Ltd

K2B International, standing for Knowledge 2 Business, creates content-rich communities – in the form of technical training courses, conferences, summits and online portals – providing platforms for gaining knowledge when it’s needed most. Established in 2006, Singapore-

based K2B International began with a focus on up-to-date information delivered by subject-matter experts on the latest technology, trends, successful case studies and lesson learnt by industry leaders around the world. For more information, please visit www.k2binternational.com.

About iSys Integrity Limited

iSys Integrity Limited was established by Dr [Carl Sandom](#) to provide independent, high quality and low overhead systems safety engineering consultancy services. iSys Integrity specialise in Systems Safety Management and Human Factors Engineering for large-scale software intensive systems. In addition, iSys Integrity provides a series of modular safety-related training courses which can be tailored for each client's specific needs. iSys Integrity is highly adaptable to clients' requirements in terms of contract structure and working arrangements, and can readily provide whatever degree of on-site presence is required by the client. iSys Integrity is also able to call upon associate consultants to provide domain specific risk, safety and human factors specialist services whenever this is necessary to fulfill client needs. For more information, please visit <http://isys-integrity.com>

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SOFTWARE SYSTEMS SAFETY

Ensuring Systems Safety by Mitigating Software Failures in Military Operating Environment

5 - 7 July 2011
Orchard Hotel, Singapore

Are You Dealing With:

- Expensive software safety assurance requirements
- Over/under specification of software safety requirements
- People confusing software safety with quality and reliability
- Errors in software upgrades despite pre-testing
- Expensive errors when new systems go live
- Mission failures and unsafe systems due to software errors
- Resource wastage to detect and correct software errors
- Inadequate software testing leading to dangerous systems failures
- Poor cost and schedule estimation for software safety activities

In view of the complexities in Software Systems Safety, K2B International presents to you a 3-day course, focusing on:

- Fundamentals of Safety
- Safety Lifecycles and Activities
- Software Safety Assurance
- Software Safety Requirements
- Software Architectural Design
- Software Detailed Design
- COTS & NDI Software
- Safe Code Implementation
- Software Validation & Verification
- Software Safety Project Issues

Not to be missed! Real world case studies and practical exercises ! For brochure download, please visit www.defencesummitasia.com/software-systems-safety

Unable to join us in July? Registration for the October 2011 class is now open!
Date: 4 - 6 October 2011
Location: Singapore
Website: www.defencesummitasia.com/software-systems-safety_oct/

TESTIMONIALS

"This is an exceptionally well organized event with very adaptive and supportive staff."
IMD, ISTAR, UK MoD
United Kingdom

"Good coverage of conventional, non-conventional and technology aspects of warfare."
Electronic Warfare Officer, RSAF
Singapore

QUICK INFO ON YOUR COURSE INSTRUCTOR



DR. CARL SANDOM

Director and Principal Consultant
iSys Integrity Limited

Carl is the **Director and Principal Consultant** of iSys Integrity Limited, an independent System Safety consultancy operating in **Europe and North America** and **specialising in systems and software safety certification** within the **Aerospace and Defence** domains. Carl is a Chartered Engineer with over **30 years practical experience** in **high-integrity systems and software safety engineering, human factors and training**. He has developed and delivered Safety Management, Software Systems Safety and Human Factors Engineering training courses within the UK, Central Europe, North America and Australia.

Carl has a thorough knowledge of managing the programme and technical risks associated with implementing software-intensive systems safety programmes compliant with International, European and UK safety standards such as MIL-STD 882, DO-178, DO-254, ARP 4761, ARP 4754, IEC61508 and UK Defence Standard 00-56. Carl also has considerable practical experience in undertaking Independent Safety Auditor roles and in developing Safety Management Systems for both Civil and Military Aerospace and Defence agencies.

COURSE PRE-REQUISITE

Course participants would typically have a basic understanding of system safety and would be experienced in software engineering. The course is intended to provide an overview of system safety basics to establish a common understanding among delegates; however, the focus of the course would be to address the complexity and challenges those engineers and programme managers have in assuring software safety within a military systems context.

WHO SHOULD ATTEND

This course is especially recommended for Directors, Heads of Department, Staff Officers, Managers and Engineers responsible for:

- Network Systems
- Software Development
- Software Engineering
- Software Safety
- Systems Assurance
- Defence IT
- Communication
- Weaponry
- Air/Naval/Sea Systems

Organised by:



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