



Security Informed Safety

Security training for safety engineers

ADELARD

Society relies on the safe functioning of computer-based systems, whether in transport, energy production, banking or health care. In recent years, the challenges of engineering safety-critical systems have been greatly exacerbated by several cyber security trends including attackers growing sophistication, the commoditization of low-end attacks, and the increasing vulnerabilities of digital systems as well as their connectivity - both designed and inadvertent. Safety can no longer be considered in isolation; claims about safety must be informed by cyber security considerations.

Adelard is at the forefront of assisting companies and agencies to assess the impact of cyber security risks on the safety of systems. Building on this experience Adelard now provides training to safety engineers on security informed safety.

The aim of the course is to enable safety engineers to:

- Understand the risks that cyber security threats pose to the safety of systems
- Know how to design systems that are both safe and secure
- Assess whether safety systems are adequately secure
- Know when to seek specialised security advice

Sessions comprise

- Safety and Security
- Security Concepts and Risk Assessment
- Building Secure Systems
- Security Assurance and Standards

Dates: 11th April 2017, 18th May 2017, 19th July 2017, 20th September 2017 and 9th November 2017.

Duration: 1 day

Location: London

About Adelard

Adelard LLP is an independent product and services company, founded in 1987, which supports its clients in the areas of safety, dependability, security and risk management. Adelard can provide assurance that your programmes will deliver and perform satisfactorily from day one thus avoiding reputational damage whilst improving customer and business retention. Adelard is a partner of RITICS: Research Institute in Trustworthy Industrial Control Systems.

What you will take away

- An understanding of the importance of ensuring that systems are both safe and secure
- An informed knowledge of real world security incidents and current concerns
- An awareness of potential threats and vulnerabilities and the controls and mitigations that are available
- A basic knowledge of security concepts and the principles of building secure systems
- An awareness of relevant standards and guidelines for assessing security risks
- Knowledge of when and how to seek more specialised advice and guidance about security issue

Get in Touch

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