



Robert Rodger

(He/Him)

United Kingdom

A dynamic, innovative, motivated and dependable security professional with more than 20 years of experience within the civil nuclear industry and over 40 years within the public sector dealing with security challenges to the Nuclear Industry and Critical National Infrastructure.

Robert has spent over thirteen years with the United Kingdom National Nuclear Laboratory as a Physical Protection Specialist with an interest in Malicious Actions, Vital Area Identification and Vulnerability Assessments, Insider Threat Mitigation, and

Deterrence. He has delivered Nuclear Site Security Plans for facilities. Robert has extensive experience of working at the security and safety interface in nuclear security, dealing with safety specialists, engineers and designers.

He is the Chair of the World Nuclear Association's Security Working Group.

Whilst working for the UK Nuclear Security Regulator (now the Office for Nuclear Regulation) he spent three years as the Lead Security Assessor for Nuclear Site Licensing approval for Hinkley Point C and, simultaneously, as part of the Joint Regulators GDA team on the Generic Design Assessment of the UKEPR, and the Westinghouse AP1000 reactor designs.

As well as supporting Licensing activities he also supported the ONR security policy team by providing technical authorship of policy documents and authoring technical assessment guides for security inspectors.

Prior to joining the GDA team, Robert was employed as a Nuclear Security Inspector for nuclear power generation (operational and decommissioning) and fuel cycles sites.

Robert spent 20 years with the Home Office as a Programme and Project Manager, and research scientist, for critical national infrastructure (CNI) and military training, security auditing, and CNI and Prison Service security equipment research and development, and evaluation.

Participation at International relevant Conferences / Workshops / Benchmarking / Courses / Publications:

Robert has presented papers and spoken as a panelist at numerous conferences and workshops throughout his career. He has covered subjects as diverse as 'security by design', deterrence, technical assessment of security systems, security culture, site security plans and insider threat mitigation.

Robert has participated in several IAEA Coordinated Research Programmes and Technical Working Groups.

He has lectured on a European Regional Training Course (based on the International Training Course).

He can provide mentorship in English.

MENTORSHIP TOPICS

Topic 1: International Obligations and the Outcomes Based Regulatory Approach

The topic will provide information about:

- a) International and National Obligations and Commitments*
- b) The Key Elements of Nuclear Security Legislation*
- c) Outcomes Based Regulation (strengths and weaknesses)*

Delivered through Presentation and Discussion

Duration: 2 hours

Topic 2: Physical Protection System

The topic will provide information about:

- a) Security Functions*
- b) Asset Identification and Consequences*
- c) Secure by Design*
- d) Equipment, People and Procedures*
- e) Vulnerability Assessment*
- f) Threats*

Delivered through Presentation and Discussion

Duration: 4 hours

Topic 3: Physical Protection System (Non-Physical and Technical Aspects of the PPS)

The topic will consider:

- a) *Security Culture*
- b) *Insider Threat*
- c) *Deterrence*
- d) *Human Factors*
- e) *Personnel Security*
- f) *Nuclear Security Management*
- g) *Security Minded Communications*
- h) *Economics*

Delivered through Presentation and Discussion

Duration: 4 to 6 hours (dependent on mentee's needs and interests)

Topic 4: Physical Protection System (Individual Subjects from Topic 2 and 3)

The session can discuss in further detail any combinations of:

- a) *Security Functions*
- b) *Asset Identification and Consequences*
- c) *Secure by Design*
- d) *Equipment, People and Procedures*
- e) *Vulnerability Assessment*
- f) *Threats*
- g) *Security Culture*
- h) *Insider Threat*
- i) *Deterrence*
- j) *Security Minded Communications*

Delivered through Presentation and Discussion

Duration: 1 hour