

LECTURER'S VITAE

IAEA/ANL TRAINING COURSE

Name: John Fraser PRESTON
Present Position: External Consultant
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Scope of Present Duties:

Currently engaged in advising the Kingdom of Saudi Arabia in the establishment of a nuclear regulatory body.

Also engaged in the UK in ensuring that the findings and results of Generation III+ PSAs are accurately reflected in the unit safety cases, operational assumptions, Technical Specification, and Severe Accident Management Guidelines.

John is also actively involved in the promotion of PSA applications such as Integrated Risk Informed Decision Making, Risk Monitors, and Technical Specification development.

Most Relevant Past Experience:

John has some 34 years experience of working in the international nuclear industry, the majority of which has been spent in safety related activities. He has a detailed knowledge of PWRs, BWRs, VVERs, AGRs and fast reactor types, and has formulated and written many regulatory compliant safety cases. John is a highly experienced PSA practitioner, who has managed, participated in or reviewed numerous full scope PSAs; John has provided specialist advice regarding PSA processes and applications to both regulatory bodies and utilities for over 25 years.

John's current interests lie in the continually enhancement of safety by ensuring that an iterative relationships exist between safety assessment and operational safety; in particularly in the development of processes to ensure consistency in data, assumptions, operational experience,

configuration changes, decision making, etc, so that the Safety Case and the PSA provide meaningful insights into the safety of the plant.

John served as a Senior Safety Officer with the IAEA in Vienna until late 2010.

Educational Background:

Bachelor's Degrees and Doctorate studies in heat transfer and fluid flow at Loughborough University.

Post-doctoral research modelling the atmosphere of Jupiter at University College London.

Nuclear Reactor Safety: Heat Transfer at the International Centre for Heat and Mass Transfer

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