

## LECTURER'S VITAE

### IAEA-ARGONNE TRAINING COURSE

**Name:** Mark W Noakes

**Present Position:** R&D Staff

**Affiliation:** Oak Ridge National Laboratory

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#### Scope of Present Duties:

Noakes is a member of the ORNL Automation, Robotics, and Manufacturing Group and also provides substantial technical support to the ORNL Remote Systems Group. Primary expertise is in the development, testing, deployment, and operations support for robotics, remote systems, and remote tooling and sensors in support of operating radiological facilities and in the D&D of contaminated facilities.

#### Most Relevant Past Experience:

D&D activities have included the development of the dual arm work package remote system and related remote tooling in support of the Argonne National Laboratory D&D of the CP-5 research reactor, telerobotic plasma torch cutting of structural steel, development of remote tooling, containment, and support systems for various waste tank remediation projects, and the development of the stack characterization system. Additional activities provided the ability to automate remote tooling operation telerobotically to improve operator efficiencies.

**Educational Background:**

BS Electrical Engineering, Tennessee Technological University, 1979

MS Electrical Engineering, University of Tennessee at Knoxville, 1989

PhD Mechanical Engineering, University of Tennessee at Knoxville, 2011

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