



RIC 2020

U.S. NRC
United States Nuclear Regulatory Commission
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I&C... Analog Need Not Apply

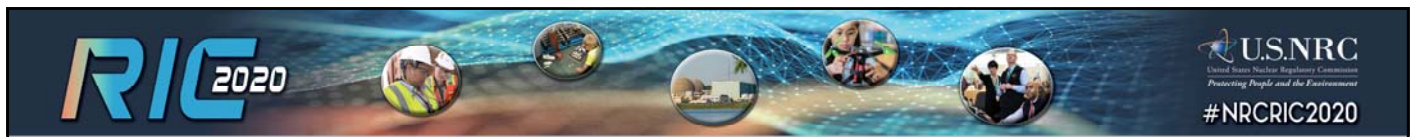
Your Host: Eric Benner
Director, Division of Engineering and
External Hazards



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Today, Eric's Guests are:

- **Scot Greenlee**, Senior Vice President,
Engineering and Technical Support, Exelon
- **Dr. Bruce Hallbert**, Director of Department of Energy's Light Water Reactor
Sustainability Program, Idaho National Laboratory
- **Dr. H.M. "Hash" Hashemian**, President & CEO,
Analysis and Measurement Services
- **Gregory de la Grange**, I&C Safety Engineer, Nuclear Safety Division,
Systems & Risk Assessment Dept.,
Institute for Radiological Protection and Nuclear Safety



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*Let's go to
a polling question...*



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Back-up Slides



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Polling Question #1

What has been your usage of RIS 2002-22 Supp. 1?

- A. Extensive
- B. Limited
- C. Planning to use it
- D. What is RIS 2002-22, Supp. 1?



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Polling Question #2

When is a safety-related digital I&C upgrade planned for your facility?

- A. Have been or are soon to be completed
- B. In the next 6 months to 1 year
- C. In the next 1-2 years
- D. In the next 2-4 years
- E. Not planning any digital I&C upgrades



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Polling Question #3

At my facility, digital upgrades will primarily be:

- A. Component replacements
- B. Single systems
- C. Integrated systems
- D. Non-safety monitoring/control equipment
- E. Worker automation and tools
- F. Not planning any digital upgrades



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Polling Question #4

The biggest challenge to complete digital modernization of an operating control room is:

- A. Cost and business risks
- B. Having an end-vision and implementation plan
- C. Outage management
- D. Training and current operating culture
- E. Regulatory uncertainty