GAIN Nuclear Cybersecurity Webinar

Tuesday, February 7, 2023

9:00 a.m. (MT)

GAIN Gateway for Accelerated Innovation in Nuclear

GAIN Mission-Driven Goals

GAIN: small enough to be nimble, big enough to be relevant

1. **Provide private entities access to financial support opportunities and national laboratory capabilities (facilities, expertise, and tools)**
2. **Identify gaps, gather needs, and develop viable paths forward to inform DOE research programs.**
3. **Enable the completion of key portions of a modernized risk-informed regulatory framework.**
4. **Engage with non-nuclear audience to introduce nuclear energy to help investigate potential applications using national lab capabilities (expertise and tools) and federal funding opportunities.**
5. **Contribute tailored, factual information to key stakeholders to motivate the integration of nuclear energy into state, regional and local plans.**

Logistics

- Thank you for joining our webinar!
- Your participation and feedback is very important to the Nuclear Cybersecurity Research Program! Please use the “Question” feature on the control panel to ask questions or provide input during the webinar.
- Disconnect Virtual Private Network (VPN) software to avoid audio/video difficulties.
- This webinar is being recorded. Your attendance serves as your permission to be part of the recording.
- Your camera is turned off and your audio is muted.
- Report technical difficulties at any time during the webinar in the “Question” feature.

Purpose: Identify cybersecurity research and development needs to support future nuclear innovation.

The agenda consists of two sessions: 1) expectations of reactor designers as they consider current and future deployments; and 2) barriers to implementing current and emerging cybersecurity best practices in nuclear control systems.

TIME (MT)	TOPIC	PRESENTER
9:00 a.m.	Purpose, Logistics, Agenda	Lori Braase, GAIN
9:10 a.m.	DOE-NE Nuclear Cybersecurity Mission and Goals	Rebecca Onuschak, DOE-NE
9:30 a.m.	**Panel Discussion 1: Advanced Reactor Innovation Needs**	**Moderator: Katya LeBlanc, INL**
	Panelists will discuss their unique operational concepts (e.g., autonomous and/or remote operations, integrated energy, load following), business models and barriers to innovative and cost-effective cybersecurity. How can we enable cybersecurity-by-design and innovation with new digital technologies?	Bob Urberger & Roger Chin Radiant Nuclear Alex Renner, Oklo Anthonie Cilliers, Kairos Power
10:30 a.m.	**Panel Discussion 2: Control System Security Technologies**	**Moderator: Chris Lamb, SNL**
	Panelists will discuss best practices and emerging thought in industrial control systems cybersecurity, status of implementation of these concepts in nuclear power control systems, and their perspectives on implementation challenges, supportive R&D, and prioritization of actions.	Tighe Smith, Paragon ES Karl Waedt, Framatome GmbH Jim Cerkovnik, INL
11:45 a.m.	Wrap-up	Lon Dawson, SNL
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The GAIN Team

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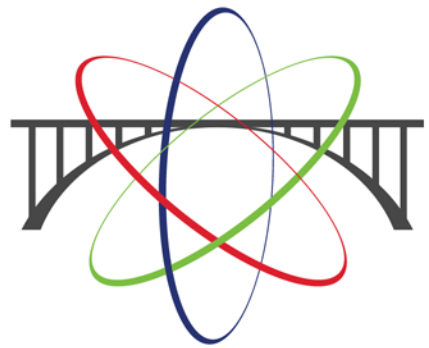

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