GAIN Nuclear Cybersecurity Webinar

Tuesday, February 7, 2023

9:00 a.m. (MT)

Panel Structure

We have roughly an hour divided into three sections. Each section will be 20 minutes, with 15 minutes of panel discussion and five minutes of questions.

Dr. Karl Waedt (Framatome)

Dr. Waedt focuses on cybersecurity of NPP refurbishment and new-build projects, cybersecurity standardization at SC45A and ISO/IEC JTC1/SC27 via German DKE and DIN, and cybersecurity R&D projects, jointly with several German Universities

Dr. Waedt's goals are to gradually complete in-depth cybersecurity coverage from new build NPP design up to decommissioning and spent fuel pool facilities, bringing the IAEA guidance via Nuclear IEC standards into digital I&C and Electrical Power System projects.

Mr. Tighe Smith (Paragon)

Mr. Smith leads Paragon's Digital I&C and Advanced Reactor businesses and has primary responsibility for all sales and marketing activities at Paragon.

His perspective on cybersecurity comes from being involved at the highest levels of system design and organizational implementations, mostly in hardware functional design and organizational cybersecurity (e.g. do we have the right controls and do we have have the right humans making the decisions).

Mr. James Cerkovnik (INL)

Mr. Cerkovnik has worked as a Cyber Security Researcher at Idaho National Laboratory (INL) since 2015. In this role, he has conducted on-site and remote digital forensics, incident response, and threat hunting operations in a variety of ICS/OT environments, across multiple critical infrastructure sectors.

Mr. Cerkovnik's perspective on NPP cybersecurity is that while monitoring and detection technologies have come along way, they are not a substitute for secure system design and careful administration.

Best Practices and Emerging Technologies

Cybersecurity Implementation and Challenges

Needed Cybersecurity R&D and Prioritization

Conclusions

Thank you!