



U.S. Nuclear Regulatory Commission  
**34<sup>th</sup> ANNUAL REGULATORY  
INFORMATION CONFERENCE**

**MARCH 8-10, 2022**

**PREPARING FOR  
TOMORROW**  
[WWW.NRC.GOV](http://WWW.NRC.GOV) #NRCRIC2022

# **W17 - Emerging Cyber Threats to Industrial Control Systems**

Session Chair: James (Jim) Beardsley, Deputy Director (Acting)

*Division of Physical and Cyber Security Policy (DPCP)*

*Office of Nuclear Security and Incident Response (NSIR)*



# Session Panelists

## Mark Bristow

*Branch Chief, Cyber Defense Coordination (CDC), Cybersecurity Division (CSD), Threat Hunting (TH), Cybersecurity and Infrastructure Security Agency (CISA)*

Mark Bristow is the Branch Chief for Cyber Defense Coordination within Threat Hunting subdivision in the Cybersecurity and Infrastructure Security Agency (CISA) within the Department of Homeland Security (DHS). He oversees DHS's efforts for assisting asset owners to respond to, remediate and recover from cyber incidents across government, critical infrastructure and private sector systems—most recently including securing the election infrastructure and addressing Russian attempts to gain access to the U.S. power grid.

## Jacob Benjamin

*Director of Professional Services, Dragos, Inc.*

Jacob Benjamin is a Director of Professional Services, at the industrial cyber security company Dragos, Inc. In this role, Dr. Benjamin oversees the delivery and execution of compromise assessments, architecture reviews, incident response exercises, network and device penetration tests, and threat hunting services provided by Dragos for ICS/OT/SCADA networks worldwide. Prior to joining Dragos, Dr. Benjamin was a nuclear cybersecurity researcher at Idaho National Laboratory and a nuclear cybersecurity specialist for Duke Energy. He has substantial experience developing cybersecurity programs for nuclear power plants as well as performing cybersecurity risk assessments for critical digital assets, systems, and networks within industrial environments.

## Joel Max

*Industrial Control Systems Lead, Cyber Division, Federal Bureau of Investigations (FBI)*

Joel Max is an Intelligence Analyst in the FBI's Cyber Division and lead for threats to industrial control systems (ICS). In his capacity at FBI HQ, Joel works closely with FBI Field Offices, the Intelligence Community, and the private sector to address cyber threats to ICS. Joel also represents the FBI on the White House National Security Council (NSC) Industrial Control Systems Working Group. Prior to joining the FBI, Joel was an emergency manager and earned his B.A. in International Studies from Colorado State University.

## Robert Anderson

*Nuclear Cybersecurity Consultant, Idaho National Laboratory (INL)*

Bob started his career at the Idaho National Laboratory (INL) over 35 years ago as a control systems design engineer at a nuclear manufacturing facility. Several years later, he relocated to the US Department of Energy (DOE) Advanced Test Reactor working as an Instrumentation and Control system engineer. As INL engaged with the US DOE National SCADA Test Bed and the US Department of Homeland Security Industrial Control Systems Cyber Emergency Response Team (ICS-CERT) programs, Bob was asked to join the programs as an Industrial Control Systems subject matter expert. Through these engagements over the years, Bob became a cyber security specialist. About ten years ago, Bob began specializing in nuclear cyber security internationally specifically with the IAEA and other international engagements.





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# **Speaker 1 – Mark Bristow**

*Branch Chief*

Cyber Defense Coordination (CDC)

Cybersecurity Division (CSD), Threat Hunting (TH)

Cybersecurity and Infrastructure Security Agency (CISA)





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## **Speaker 3 – Joel Max**

*Industrial Control Systems Lead*

Cyber Division

Federal Bureau of Investigations (FBI)



## Contact Information

Thank you for attending session  
*W17 - Emerging Cyber Threats to Industrial Control Systems*  
Please email additional questions to the following:

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