



Industrial Cybersecurity Community of Practice Workshop

Thursday, November 18, 2021 • 10:00 AM – 2:00 PM MT

10:00 **Welcome and Introductions**

- Zach Tudor, INL Associate Laboratory Director, National and Homeland Security

10:05 **ICS COP 'State of the COP' Address ~ Agenda Overview**

- Dr. Diana Burley, Vice Provost for Research-American University, ICS COP Steering Committee
- Dr. Shane D. Stailey, INL, Training Development & Strategy Lead, Workforce Development and Training

10:15 **Introductions for Keynote Speakers:** Sean McBride, Idaho State University

Industry Perspectives for Industrial Cybersecurity Improvement

- Steve Mustard, **Infusing Engineers with Cybersecurity**, ISA President
- Sean Plankey, **Cyber Landscape**, DataRobot, Cyber Missions Director
- Pedro Allende, **Government Insights: DOL, DOD, DOE, DHS** Bletchley Advisors, Founder
- Discussion/responses, from Teams - after all finish; capture actions, opportunities

11:10 **Introductions:** Eleanor Taylor, INL, Cybercore Program Manager, University Partnerships and Workforce Development

COP Partnership Building, Successes, and Future Opportunities

- Geri McGrath, ISA, Director, Global Education & Outreach; Managing Director, Automation Federation
- Andre Ristaino, ISA, Managing Director, Global Alliances, Consortia, Conformity Assessment
- Dr. Ida Ngambeki, Purdue University, Asst. Professor of Computer and Information Technology
- Rodney J. Petersen, U.S. Dept. of Commerce, Director for Cybersecurity Education at NIST
- Discussion/responses, from Teams - after all finish; capture actions, opportunities

11:50 **Introductions:** Carl Schuett, QED Secure Solutions, Senior Research Engineer

Industrial Cybersecurity Education Standards and Hands-on Training

- Karen Wetzel, U.S. Dept. of Commerce, Manager, NICE Framework
- Sean McBride, Idaho State University, Industrial Cybersecurity Program Coordinator
- Ida Ngambeki, Purdue; Sean McBride, ISU (Concept Map)
- Glenn Merrell, Freelance Consulting, CAP, ISA99-WG03, WG8, WG10 Committees Co-Chair
- Discussion/responses, from Teams - after all finish; capture actions, opportunities

12:35 **Introductions:** Roger Plothow, IBE, Idaho Business for Education/Youth Apprenticeship Program, Business Development and Program Manager

Workforce Development and Career Pathways

- Ralph Ley, INL, Department Manager, Workforce Development and Training
- Greg Bastien, DHS / CISA, CDET (Cyber Defense Education and Training)
- John Ellis, Siemens Energy, Head of Industrial Cyber Alliances
- Dr. Paris Stringfellow, VP TrustWorks-aaS at CyManII (Cybersecurity Manufacturing Innovation Institute); Clemson University, Research Assistant Professor, Department of Industrial Engineering
- Discussion/responses, from Teams - after all finish; capture actions, opportunities

1:20 **Introductions:** Ralph Ley, INL

Way Forward as a Community of Practice

Dr. Shane Stailey, INL

- Review of actions from the workshop, brainstorm opportunities, set preliminary goals

1:50 **Closing Remarks**

- Wayne Austad, Chief R&D Officer, CyManII (Cybersecurity Manufacturing Innovation Institute)
CTO, INL, National and Homeland Security