**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