

CESoS '21 Workshop

November 9-10, 2021

All times in MST

DAY 1: APPLYING SCIENCE & EXPERIMENTATION TO CYBER-PHYSICAL SYSTEMS

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| 9:00 AM | Welcome & Opening Remarks: <i>Perspectives on Cyber-Physical Experimentation on High-Consequence Systems</i> | |
| 10:15 AM | Break | |
| 10:25 AM | Power Systems | |
| 10:45 AM | Pipelines: Oil, Gas, Water, & Wastewater | |
| 11:05 AM | Break | |
| 11:15 AM | Connected & Autonomous Vehicles | |
| 11:35 AM | Manufacturing & Robotics | |
| 11:55 AM | Defense Systems | |
| 12:15 PM | Break for Lunch | |
| 12:45 PM | Panel: Role of Cyber Experimentation in CPS Security | <u>Adjourn @ 1:45 PM</u> |

DAY 2: TOOLS & ALGORITHMS ENABLING CYBER EXPERIMENTATION

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| 11:00 AM | Opening Remarks | |
| 11:05 AM | Metrics & Measurability | |
| 11:25 AM | Validation & Verification | |
| 11:45 AM | Formal Methods | |
| 12:05 PM | Software Engineering Tools | |
| 12:25 PM | Break | |
| 12:40 PM | Experimentation | |
| 1:00 PM | Reproducibility | |
| 1:20 PM | Forensics/Traceability/Attribution/Consequence | |
| 1:40 PM | Co-simulation | |
| 2:00 PM | Break | |
| 2:15 PM | Panel: Challenges and Needs for Tools & Algorithms | |
| 3:15 PM | New Ideas | |
| 3:45 PM | Future Steps: <i>Brainstorming the Security of a Wholly Connected World</i> | <u>Adjourn @ 4:15 PM</u> |