Pipeline Transportation: Hydrogen and Emerging Fuels R&D Public Meeting and Forum

COMPETITIVE ACADEMIC AGREEMENT PROGRAM PRESENTATIONS

Arizona State University

- AI-enabled Interactive Threats Detection using a Multi-camera Stereo Vision System
- Knowledge-guided Automation for Integrity Management of Aging Pipelines (KAI-MAP) for Hydrogen Transport (Password 641497)

Georgia Institute of Technology

- Predicting Remaining Fatigue Life of a Dent with Corrosion Using Advanced Measurements and Modeling

University of Texas at Austin

- Internal Corrosion Monitoring in Pipelines by using Helical Ultrasonic Waves

Missouri University of Science and Technology

- An Unmanned Aerial System of Visible Light, Infrared and Hyperspectral Cameras with Novel Signal Processing and Data Analytics

North Dakota State University

- Brain-Inspired Learning Framework to Bridging Information, Uncertainty and Human-Machine Decision-Making for Decoding Variance in Pipeline Computational Models
- New Bio-Inspired 3D Printing Functionalized Lattice Composites for Actively Preventing and Mitigating Internal Corrosion

Marquette University

- Multi-modal NDE Assisted Probabilistic Pipeline Performance Evaluation under Interactive Anomalies

University of Alaska

- Development of Low-Power Wireless Sensor Network of Conductivity Probes for Detection of Corrosive Fluids Inside Pressure Vessels and Piping