

# Standards for the Digital Stage

## Panel Discussion

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# Bio

- Sr. Director, NPI Data Analytics, HCE
- Worked with Honeywell for 22+ years. Served as Engineer Fellow with hands-on experience in implementing system modeling and analysis, algorithms, industrial statistics, and systems engineering for product design, reliability, system health monitoring with fault diagnostics and prediction, process improvements, condition-based maintenance, and performance-based logistics. The product domains worked on cover aerospace, defense and space, and industrial adjacencies, with a global customer scope.
- Chair: SAE Digital and Data Steering Group (DDSG) – leads the creation of new SAE standard committees covering advanced subjects such as blockchain, AI for safety-critical systems, model-based engineering and digital twin
  - G-31: Electronic Transactions for Aerospace Committee
  - G-34: Applied Artificial Intelligence in Safety-Critical Systems
- Vice Chair: SAE HM-1 Standard Committee in promoting modeling, analytics, and system solutions for machine health monitoring

# Some Industry Challenges

- Data ownership
  - How should we define who owns the data and what are fair business practices in pricing the data?
- Data governance
  - How do we trust each other in sharing the data?
- Data interoperability
  - How can we consume each other's data with minimized barriers and costs?
- Data management
  - How do we make efficient integration of data-related operational processes with traditional operational tools and procedures?
- Digital products and certification
  - How do we utilize potentially lower design assurance level COTS digital products to support decisions with higher assurance level systems?
- Data security
  - How to prevent data intrusions for stored and transferred data?

**Thank You!**

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