Contract No:

This document was prepared in conjunction with work accomplished under Contract No. 89303321CEM000080 with the U.S. Department of Energy (DOE) Office of Environmental Management (EM).

Disclaimer:

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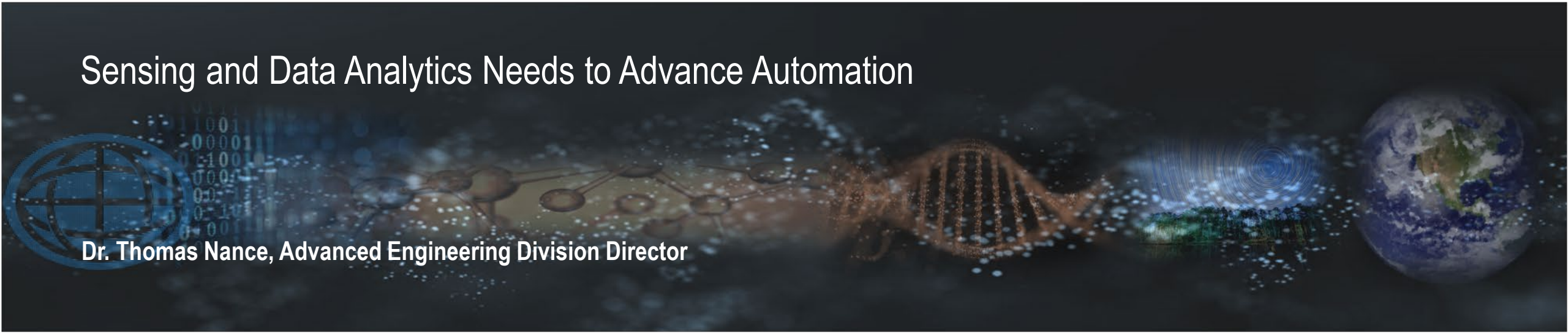
SRNL-STI-2022-00082

Sensing and Data Analytics Needs to Advance Automation



Dr. Thomas Nance, Advanced Engineering Division Director

February 23, 2022

U.S. DEPARTMENT OF ENERGY

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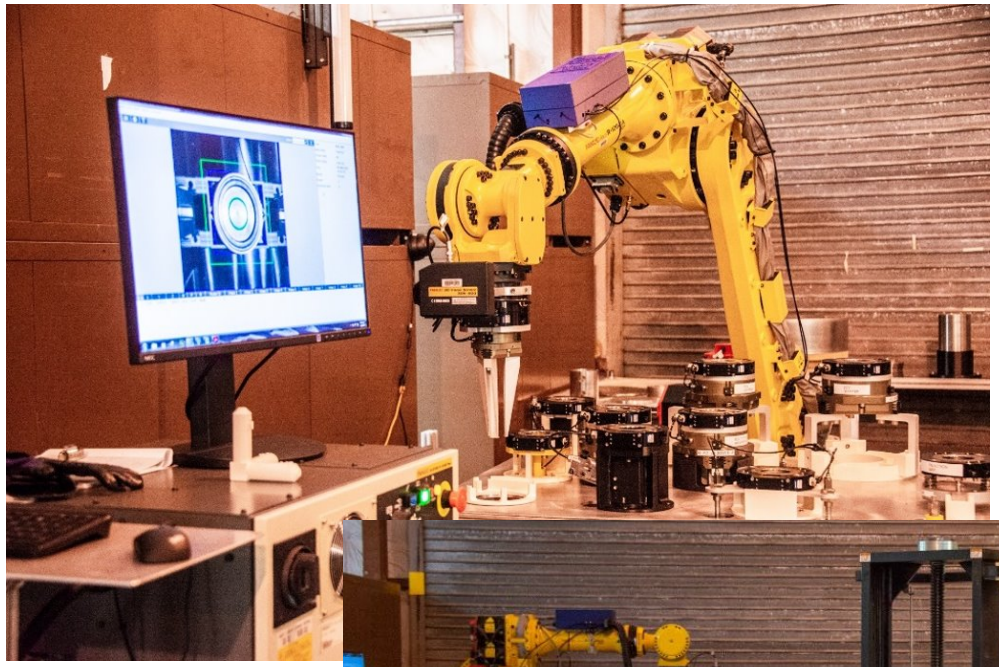
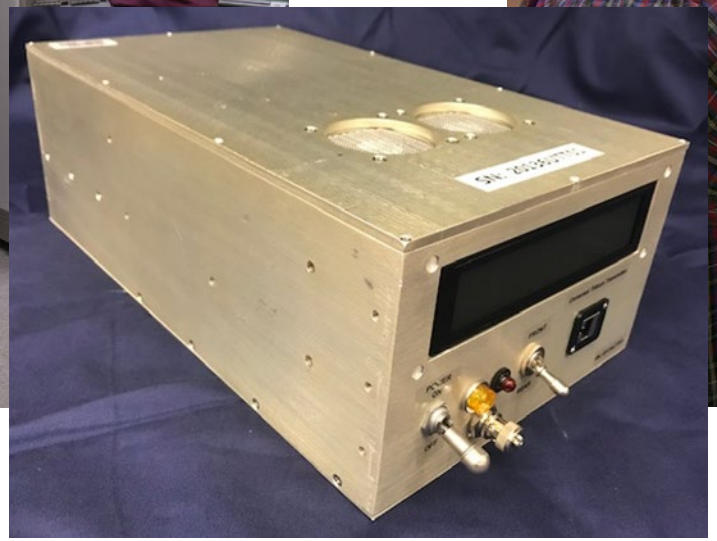
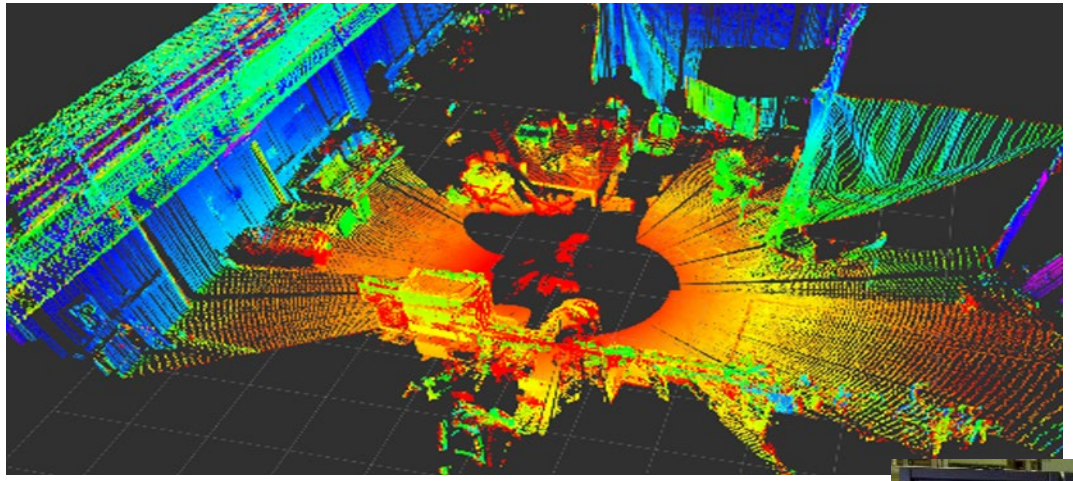
Robotics and Automation

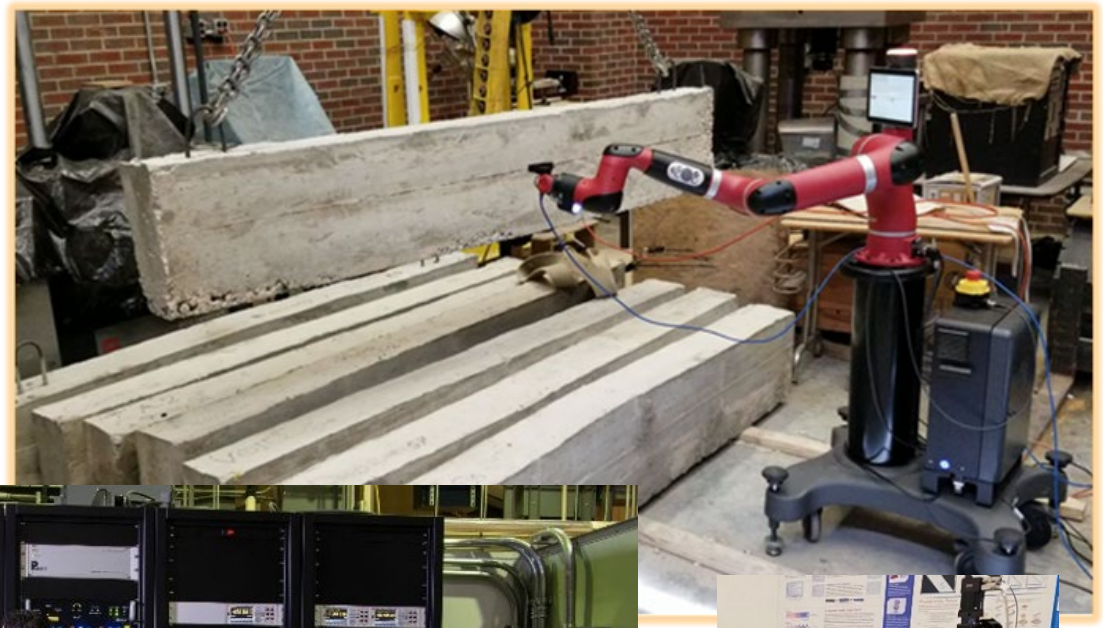


Software Tools



Sensing and High Data Rate Sensors





Sensor Technology Areas of Interest

- Photogrammetry
- LiDAR
- Concrete structure integrity
- Small Sensor Suites
- Atmospheric Sensors
- In Situ Sample Analytics
- Wearable Robotics Sensors
- ML
- AI