DATA SCIENCE AND ARTIFICIAL INTELLIGENCE ACTIVITIES

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NRC AI Challenges

Current

Workforce Training

Traceable and Auditable Evaluation Methodologies

Internal Challenges: Automating Internal Agency Business Processes

External Challenges: Understanding Licensee and Applicant AI Usage
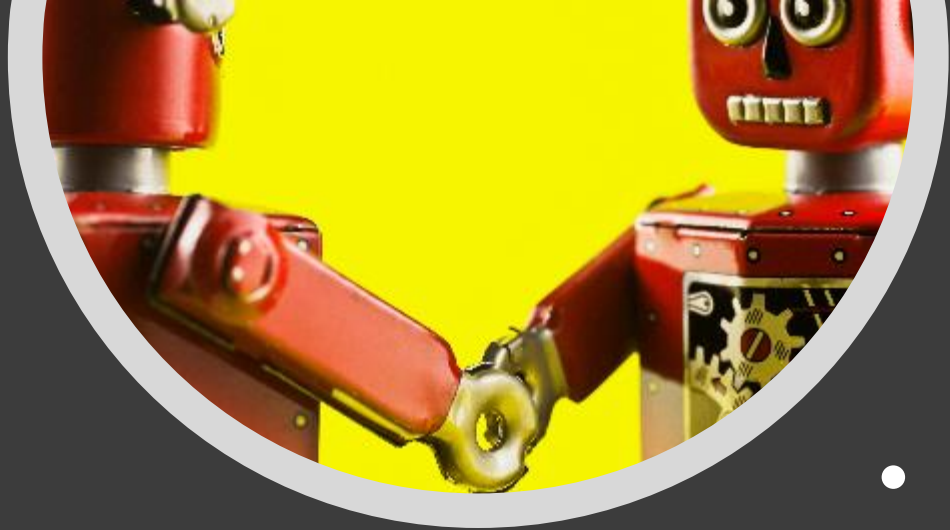
Future

Regulatory Guidance and Decisionmaking Development

Differentiating AI Usage for Reactor Design Versus Autonomous Control

Explainable and Trustworthy AI – Reliability and Assurance

Internal AI Budget Predicated on Emergent Industry Applications

FY 2022 Path Forward

- **Enhance staff knowledge in applications and use of data science and AI**

- **Engage with internal and external stakeholders to seek alignment on the draft Data Science and AI Strategic Plan**

- **Issue Data Science and AI Strategic Plan by Fall 2022**

Contact Us

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