Inside...NIST's AI Innovation Lab (NAIIL)

AI@NIST

- NIST has established the US AI Safety Institute to advance the science, practice and adoption of AI safety.

- A Consortium organized by NIST is convening stakeholders and extending collaborations in AI measurements and standards.

- Researchers across NIST's Laboratories are drawing on AI and machine learning tools to gain a deeper understanding of and insight into their research and how it can be advanced.

NAIIL Programs & Projects

- NIST AI RMF
- AI Resource Center
- AI Standards
- Test, Evaluation, Validation & Verification
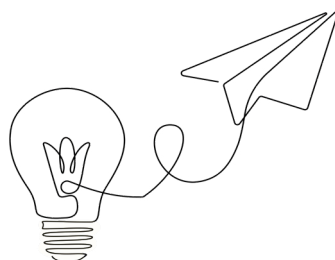 - ARIA
  - NIST GenAI Challenge

Contact

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Learn More

About NAIIL

Responsible for a variety of NIST's Artificial Intelligence (AI) efforts and headquartered within the agency's Information Technology Laboratory, the NIST AI Innovation Lab (NAIIL) advances AI measurement methods and guidelines, including their incorporation into international standards.

NAIIL's efforts are anchored by the **NIST AI Risk Management Framework (AI RMF)**. Developed with input from the private and public sectors, the AI RMF is a voluntary framework for managing AI risks in a flexible, structured, and measurable way. The AI RMF is intended for voluntary use to help organizations incorporate trustworthiness considerations into the design, development, use, and evaluation of AI products, services, and systems.

The **NIST Trustworthy AI Resource Center** hosts foundational content, along with resources to operationalize the AI RMF – including a companion **AI RMF Playbook**, an **AI RMF Roadmap**, **AI RMF Crosswalks**, and profiles such as the **AI RMF Generative AI Profile**.

AI Standards: NIST leads and participates in the development of consensus-based international standards that promote innovation and trust in AI technology.

Assessing Risks and Impacts of AI (ARIA): This research evaluation program helps improve understanding of, and measurements of AI's capabilities, risks and impacts.

NIST GenAI Challenge: NIST provides a platform for this test and evaluation challenge-oriented program is designed to assess generative AI technologies.

NAIIL develops measurement science capabilities to accelerate innovation in AI – providing a foundation for the community to evaluate and test AI in ways that will improve its functionality and trustworthiness.