Government of Canada Gouvernement du Canada

Artificial Intelligence for Design Challenge program

Program duration: 2019-2026

The Artificial Intelligence for Design (AI for Design) Challenge program develops and provides AI technologies and capabilities to accelerate discovery, R&D, and innovation processes.

With its collaborators, the AI for Design Challenge program advances algorithms, methods and datasets to assist engineers, researchers and scientists with design and scientific discovery.

These technologies apply to discoveries in health, materials for clean fuels, and high-throughput and secure networks.

About the Program

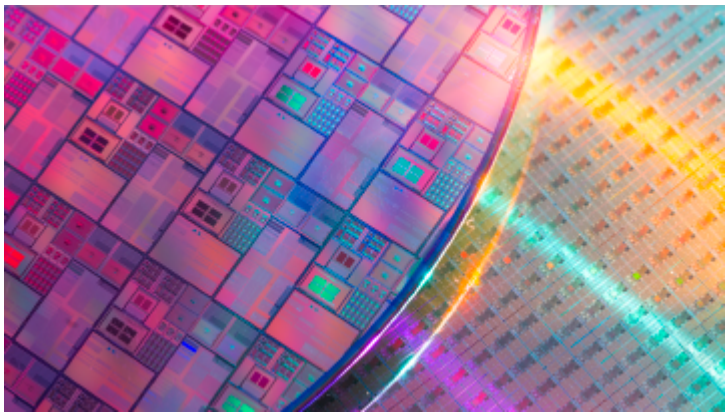
Areas of focus, projects and teams

- AI-assisted design of photonic components

- AI for design of biological systems
- Deep material science
- Core AI for design

News

Using artificial intelligence to make molecule discovery more efficient



Using AI to improve the fabrication of nanophotonic components

Harnessing the power of AI for global good

Challenge accepted: how AI collaborations strengthen discoveries

Contact us

If you are interested in collaborating with us, making investments in this area, or if you have any questions, please contact:

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Related links

- Challenge Programs
- Grant and contribution funding
- Funded collaborative R&D projects

- Digital Technologies Research Centre
- NRC-Waterloo Collaboration for Artificial Intelligence, Internet of Things, and Cybersecurity
- NRC-Fields Mathematical Sciences Collaboration Centre

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