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Carry out interdisciplinary research at the intersection of two pressing AI-related issues: AI governance and AI implementation.

Vision

Overcome the traditional opposition between innovation and regulation by creating transparent, reliable and secure business and governance models that meet the requirements of industry, public institutions and the public, including groups that artificial intelligence (AI) could disqualify.

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Axis 1: AI governance

Axis 1 aims to fill the existing gaps in the governance and regulatory frameworks of AI. It focuses on all legal, ethical, and democratic issues related to AI governance (from frontier models to AI systems), including security, safety, the promotion of innovation, and risk management. This axis also extends to equipping businesses and organizations with the tools they need to better comply with governance frameworks.

Axis 2: AI implementation

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- Participate in the development of policies to frame the use of AI and robotics in Quebec and Canada.
- Reduce misinformation and disinformation by developing a fact-checking system.
- Stimulate the responsible integration of AI in healthcare organizations by measuring their organizational maturity.
- Promote the continuous acquisition of new AI skills in various work contexts.
- Contribute to the democratization of the responsible use of AI.

Challenges

Recent advances in AI are paving the way for major and

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In this context, how can we harness the benefits of AI without fueling its harmful effects? This complex search for balance requires the contribution of researchers from various fields, such as political science, robotics, law, ethics, computer science, communication, and human-machine interaction. Working together, they propose a multidisciplinary scientific approach aimed at reconciling this duality.

Ongoing Projects

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Filling the governance gaps in embodied AI for Canada

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Gouvernance des données de qualité

(Axis 1 – Axis 2)

- [Jean-François Godbout](#) – Université de Montréal
- [Catherine Beaudry](#) – Polytechnique Montréal
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Intégration d'un modèle d'IA en radio-oncologie

(Axis 2)

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- [Nadia Naffi](#) – Université Laval

La traduction automatique en journalisme

(Axis 2)

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- [Alexander J. Karran](#) – HEC Montréal
- [Sylvain Sénécal](#) – HEC Montréal

Développement low-code et guidé par les intentions

(Axis 2)

- [Jessie Galasso-Carbonnel](#) – McGill University
- [Houari Sahraoui](#) – Université de Montréal
- [Ulrich Aïvodji](#) – ÉTS Montréal

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