



AI Initiative
Leveraging AI for a just world

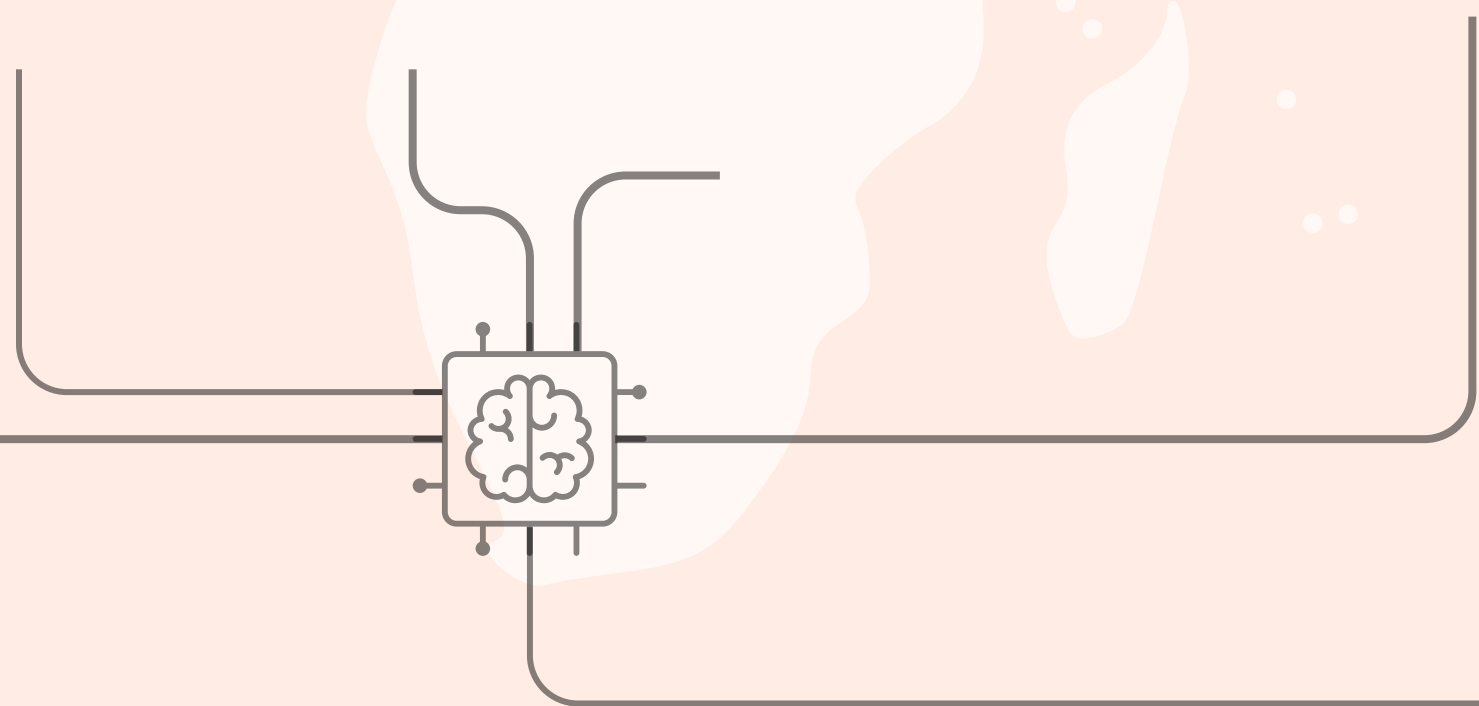
FOUNDATIONAL AI SYMPOSIUM

Join us for the inaugural

UCT AI Initiative: Foundational AI Symposium,
a multidisciplinary event exploring ideas
relating to Foundational AI.

This symposium will feature insightful **15-
minute talks** spanning a broad range of topics
across several UCT Departments:

**Computer Science, Mathematics, Philosophy,
and Electrical Engineering.**



VENUE: PD HANN 2, UCT UPPER CAMPUS

DATE: 24 APRIL

TIME: 1-5PM

RSVP





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Introduction from the UCT AI Initiative Director:

JONATHAN SHOCK

SPEAKERS:

CAEL MARQUARD AND SIMBARASHE MAWERE: Neural Morphological Tagging for Nguni Languages

LEONARD CHUANG: Exploring deep autoencoders for cluster analysis of residential electricity consumption behaviour in South Africa

ANRI LOMBARD: State Space Model on Molecular Generation

RYAN NEFDT: No Such Thing as a General Learner: Language models and their dual optimization

FRANCOIS MEYER: The Role of Subword Segmentation in Multilingual Machine Translation

RITVIK SOJEN: Implicit neural models as foundational representations for robot autonomy

KRUPA PRAG: Data-driven Optimal control approaches

CLAUDE FORMANEK: Offline Multiagent Reinforcement Learning

BILAL ASLAN: Multi-Objective Evolutionary Algorithms For Product Design

ANY QUESTIONS?

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