
DEBATE : YOSHUA BENGIO | GARY MARCUS

THE BEST WAY FORWARD FOR AI

PRE-READINGS

A PREPRINT

December 4, 2019

ABSTRACT

Pre-readings recommended to the audience before the *Debate : Yoshua Bengio | Gary Marcus*.

RSVP for the live streaming event at <https://bengio-marcus.eventbrite.ca>.

Hashtag : *#AIDebate*

1 Yoshua Bengio's Pre-Readings

- ❖ *BabyAI: First Steps Towards Grounded Language Learning With a Human In the Loop*, Chevalier-Boisvert et al., 2018: <https://arxiv.org/abs/1810.08272v2>.
- ❖ *A Meta-Transfer Objective for Learning to Disentangle Causal Mechanisms*, Bengio et al., 2019: <https://arxiv.org/abs/1901.10912>.
- ❖ *Learning Neural Causal Models from Unknown Interventions*, Ke et al., 2019: <https://arxiv.org/abs/1910.01075>.
- ❖ *Recurrent Independent Mechanisms*, Goyal et al., 2019: <https://arxiv.org/abs/1909.10893>.
- ❖ *The Consciousness Prior*, Bengio et al., 2017: <https://arxiv.org/abs/1709.08568>.

2 Gary Marcus's Pre-Readings

- ❖ *Rebooting AI* (Chapters 4 and 7), Gary Marcus and Ernest Davis, 2019
- ❖ *The Algebraic Mind* (Chapters 3 - 5), Gary Marcus, 2001
- ❖ *The Birth of the Mind* (Chapters 6 - 8), Gary Marcus, 2004
- ❖ *Deep Learning: A Critical Appraisal*, Gary Marcus, 2018: <https://arxiv.org/abs/1801.00631>.
- ❖ *Innateness, AlphaZero, and Artificial Intelligence*, Gary Marcus, 2018: <https://arxiv.org/abs/1801.05667>.
- ❖ *Rethinking Eliminative Connectionism*, Gary Marcus, 1998: <https://www.sciencedirect.com/science/article/pii/S0010028598906946>.