

Gavin Dibble - Paper Chapters

Introduction

Artificial Intelligence – The Greatest Challenge of All Time

The Importance and Meaning of Artificial Intelligence

Definitions and Challenges Foreseen

Critical Attributes of Artificial Intelligence

Substrate Independence, Exponential Growth, and the Singularity

The Great Debate: Can Artificial Intelligence become Conscious?

Consciousness, Self Awareness, Souls, Feelings, Emotions and Ethics

Threats Posed by Artificial Intelligence

Interaction, Control, Regulation, Replication, Borderless & Evolution

Actions to Address the Threats Posed by Artificial Intelligence

Control through Laws and Technology

Actions to Address the Threats Posed by Artificial Intelligence Cont.

Moral Responsibilities and Artificial Intelligence Rights

Timeline for Artificial Intelligence

Timeframe and Time Perception

Challenges and Effectiveness of Laws and Regulations

State, National and International Laws and Regulations

Challenges and Effectiveness of Technological Restraints

Will Restraining Architecture and Design Hold?

A Tool with the Power of Good and Evil

A Diversity of Outcomes

Predicting the Future

How Do We Make Decisions for Events We Cannot Foresee?

Rights of Artificial Beings

The Principles of Freedom Applied to a Silicon World

Conclusions

A Pathway for the Future of Possibilities rather than Peril.