

QUESTIONS AROUND INTELLIGENCE AND ARTIFICIAL INTELLIGENCE

Minnesota Futurists (Sat-AM / 4-Feb-2017) Meetup Group :: <https://www.meetup.com/MN-Futurists/events/237369802/>

What is Intelligence?

The ability to act effectively in attempting to achieve a goal

What are Levels of Intelligence?

Narrow: The ability to act effectively within a narrowly defined range of systems

General: The ability to act effectively within broadly defined ranges of systems

What is Creativity?

The ability to discover new ways of behaving effectively

What is Mental Flexibility?

The ability to switch from one decision-making model to another in order to find effective behavior.

What is Artificial Intelligence?

Computerized decision-making entities

What are levels of Superior Artificial Intelligence?

Narrowly Intelligent: Computer programs that are superior to humans in acting effectively within a narrowly defined range of systems

Generally Intelligent: Computer programs that are superior to humans in acting effectively with broadly defined ranges of systems

Super Intelligent: Computer programs that are both superior to humans in acting effectively within broadly defined ranges of systems and capable of changing their programs to become increasingly effective.

Is Some Form of Super Artificial Intelligence [SAI] Possible?

Is Some Form of SAI Probable?

YES: Minsky, Hawking, Gates NO: Chomsky

Would You Like Computers to Develop SAI?

If SAI does Happen, Will it be Generally Similar in the Way it thinks to the Human Brain?

If SAI does Happen, What is Your Best Guess as to Time Scale for It to Happen?

If SAI does Happen, What is the Biggest Downside of SAI?

If SAI does Happen, What is the Biggest Upside of SAI?

If SAI does Happen, Do You Believe that It Is Likely SAI Will Be Conscious? Awareness of one's present surroundings along with the ability to place oneself within the context of history and the possible, probable and preferable future.

If SAI does Happen, Do you believe it is Likely That SAI will have Emotions and, if so, Will Those Emotions Be Similar to Human Emotions?

If SAI does Happen, Do you believe it is likely that SAI will have self-determined goals and preferences?

If SAI does Happen, Do You Believe That It Is Likely That SAI Will Be Ethical in Ways that are Productive to Humanity's Continued Existence and Increasing Capacity for Knowledge, Wisdom and Happiness?

If SAI does Happen, Do You Believe That It Is Likely That SAI Will Be Available on a Widespread Basis or Controlled by Relatively Few?

If SAI does Happen, Do You Believe a Direct Link Between our Brains and SAI is Probable and what would be the Major Pluses and Risks?

If SAI does Happen, Why Do Some People ^[Elan Musk] Believe That SAI Is Necessary if we are to avoid the End of Civilization? Do You Believe It Will Be Necessary?

Panel Members for Left to Right

Elon Musk is the founder, CEO, and CTO of Space X; co-founder, CEO, and product architect of Tesla Motors; co-founder and chairman of Solar City; co-chairman of Open AI. As of June 2016, he has an estimated net worth of US\$11.5 billion, making him the 83rd wealthiest person in the world.

Stuart Russell is a computer scientist known for his contributions to artificial intelligence. As of 2016 he is Professor of Computer Science at the University of California, Berkeley and Adjunct Professor of Neurological Surgery at the University of California, San Francisco.

Bart Selman is an American professor of computer science at Cornell University. He used to be at AT&T Bell Laboratories. He has authored over 90 publications on artificial intelligence and computer science.

Ray Kurzweil is an inventor and futurist who has written seven books, five of which have been national bestsellers. Kurzweil is also a senior director of technological development at Google.

David Chalmers is an Australian philosopher and cognitive scientist specializing in the areas of philosophy of mind and philosophy of language. He is Professor of Philosophy and Director of the Centre for Consciousness at the Australian National University

Nick Bostrom is a Swedish philosopher at the University of Oxford known for his work on existential risk, the anthropic principle, human enhancement ethics, super intelligence risks, the reversal test, and consequentialism.

Demis Hassabis is a British artificial intelligence researcher, neuroscientist, computer game designer, entrepreneur, and world-class games player.

Sam Harris is an American author, philosopher, and neuroscientist. He is the co-founder and chief executive of Project Reason, a non-profit organization that promotes science and secularism, and host of the *Waking Up* podcast.

Jaani Tallinn is an Estonian programmer, investor and physicist who participated in the development of Skype in 2002 and FastTrack/Kazaa, a file-sharing application, in 2000.

Max Tegmark [Moderator] is a Swedish-American cosmologist. Tegmark is a professor at the Massachusetts Institute of Technology and the scientific director of the Foundational Questions Institute. He is also a co-founder of the Future of Life Institute,