The Future of AI: What if We Succeed?

Stuart Russell

Thanks to AIJ for funding this panel
Why are we doing AI?

- To create intelligent systems
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- The more intelligent, the better
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- To create intelligent systems
- The more intelligent, the better
- We believe we can succeed
  - Limited only by ingenuity and physics
  - Progress is accelerating
    - Industrial and military AI race under way
  - We may soon have a roadmap
What if we do succeed?

- “The first ultraintelligent machine is the last invention that man need ever make.” I. J. Good, 1965
- Success would be the biggest event in human history
What if we do succeed?

- “The first ultraintelligent machine is the last invention that man need ever make.” I. J. Good, 1965
- Success would be the biggest event in human history…
- … and perhaps the last event in human history
So, if that matters.....

- Along what paths will AI evolve?
- What is the (plausibly reachable) best case? Worst case?
- Can we affect the future of AI?
  - Technical or societal solutions?
  - What should we do now?
Panelists

- Henry Kautz, U. of Rochester
  - President of AAAI, 2010-12
- Joanna Bryson, U. of Bath
  - Co-author, EPSRC Principles of Robotics
- Anders Sandberg, U. of Oxford
  - Fellow, Future of Humanity Institute
- Sebastian Thrun, Udacity/Google/Stanford
  - Developer of Google driverless car, et al.