

2015 : WHAT DO YOU THINK ABOUT MACHINES THAT THINK?

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2015 : WHAT DO YOU THINK ABOUT MACHINES THAT THINK?

An Epochal Scientific, Technological, And Social—"Human"—Event



[Pamela McCorduck](#)

Author, *Machines Who Think, The Universal Machine, Bounded...*

What Do You Care What Other Machines Think?



[George Church](#)

Author, *Regenesys*; Professor, Harvard University; Director...

Nobody Would Ever Ask A Machine What It Thinks About Machines That Think



[James J. O'Donnell](#)

Classical Scholar, University Professor, Georgetown...

Just Other Natural Creatures Of A Natural World



[Carlo Rovelli](#)

Theoretical Physicist; Aix-Marseille University, in the...

A Difficult Topic



[Nick Bostrom](#)

Professor, Oxford University; Director, Future of Humanity...

The Singularity—an Urban Legend?



[Daniel C. Dennett](#)

Philosopher; Austin B. Fletcher Professor of Philosophy, Co...

Evolving AI



[Donald D. Hoffman](#)

Cognitive Scientist, UC, Irvine; Author, *Visual Intelligence*

Machines That Think Are In The Movies



[Roger Schank](#)

Psychologist & Computer Scientist; *Engines for...*

Machines That Can Think Will Do More Good Than Harm



[Mark Pagel](#)

Professor of Evolutionary Biology, Reading University,...

Three Observations on Artificial Intelligence



[Frank Wilczek](#)

Physicist, MIT; Recipient, 2004 Nobel Prize in Physics;...

Irrational Machines and Humans



Robert Provine

Research Professor/Professor Emeritus, University of...

The Next Replicator



Susan Blackmore

Psychologist; Author, Consciousness: An Introduction

Thinking About People Who Think Like Machines



Haim Harari

Physicist, former President, Weizmann Institute of Science...

You Are What You Eat: Home-Grown A.I.s and the Big Data Food Chain



Andy Clark

Philosopher and Cognitive Scientist, University of...

Can Submarines Swim?



William Poundstone

Journalist; Author, Are Your Smart Enough To Work At Google...

Ask Not Can Machines Think, Ask How Machines Fit Into The Mechanisms We Design



Peter Norvig

Director of Research, Google Inc.; Fellow of the AAAI and...

Mistaking Performance For Competence Misleads Estimates Of AI's 21st Century Promise And Danger



Rodney A. Brooks

Robotist; Panasonic Professor of Robotics (emeritus) ,...

The Rise of Storytelling Machines



Jonathan Gottschall

Distinguished Research Fellow, English Department,...

Machines (Humanly Constructed Artifacts) Cannot Think



Arnold Trehub

Psychologist, University of Massachusetts, Amherst; Author...

Enhancing The Cognitive Capacity Of Our 7 Billion Thinking Machines



Giulio Boccaletti

Physicist; Atmospheric and Oceanic Scientist, Nature...

When It Comes To AI, Think Protopia, Not Utopia Or Dystopia



Michael Shermer

Psychologist; Historian of science; Publisher, Skeptic...

The Limits Of Biological Intelligence



Chris DiBona

Open Source and Public Sector, Google

When Is A Minion Not A Minion?



Aubrey De Grey

Gerontologist; Chief Science Officer. SENS Foundation;...

Head Transplants?



Juan Enriquez

Managing Director, Excel Venture Management; Co-author,...

What Does Thinking About Thinking Machines Tell Us About Human Beings?



Satyajit Das

Former Banker; Author, Extreme Money; Traders Guns &...

The Beasts of A.I. Island



Quentin Hardy

Deputy Technology Editor, The New York Times; Lecturer, U.C...

We Will Become One



Clifford Pickover

Author, The Math Book, The Physics Book, and The Medical...

The Colossus Is A BFG



Nicholas Humphrey

Emeritus Professor of Psychology, London School of...

He Who Pays The AI, Calls The Tune



Ross Anderson

Professor of Security Engineering at Cambridge University

What Will Be The Place Of Humans In A World Occupied By An Exponentially Growing Population Of Autonomous Machines



Paul Saffo

Technology Forecaster; Consulting Associate Professor,...

A New Wisdom of the Body



Eric J. Topol, M D

Professor of Genomics, The Scripps Translational Science...

The Great AI Swindle



Dylan Evans

Founder and CEO of Projection Point; author, Risk...

Between Regular-I And AI



Roger Highfield

Director, External Affairs, Science Museum Group; Coauthor...

What Do I Think About Machines That Think?



Gordon Kane

Theoretical Particle Physicist and Cosmologist; Victor...

We Should Consider The Future World As One Of Multi-Species Intelligence



Melanie Swan

Systems-Level Thinker; Futurist; Applied Genomics Expert;...

Thinking Machines And Ennui



Richard Nisbett

Professor of Psychology, University of Michigan; Author,...

Our Concept Of Nature



Lee Smolin

Physicist, Perimeter Institute; Author, Time Reborn

What Neuroscience And Machine Models Of The Mind Should Be Looking For



Scott Atran

Anthropologist, National Center for Scientific Research,...

Two Cognitive Functions That Machines Still Lack



Stanislas Dehaene

Neuroscientist; Collège de France, Paris; Author, The...

Another Kind Of Diversity



Stephen M. Kosslyn

Founding Dean, Minerva Schools at the Keck Graduate...

I Think That Machines Can't Think



Emanuel Derman

Professor, Financial Engineering, Columbia University;...

Who's Afraid of Artificial Intelligence?



Richard H. Thaler

Father of Behavioral Economics; Director, Center for...

Can Machines Ever Be As Smart As Three-Year-Olds?



Alison Gopnik

Psychologist, UC, Berkeley; Author, The Philosophical Baby

An Extraterrestrial Observation About Human Hubris



Ernst Pöppel

Neuroscientist; Chairman, Board of Directors Human Science...

It's Not About The Human Species: It's About Civilizations



Luca De Biase

Journalist; Editor, Nova 24, of Il Sole 24 Ore

Human Responsibility For Machines That Think



Margaret Levi

Director, Center For Advanced Study in Behavioral Sciences...

Artificial Intelligence Will Make You Smarter



Terrence J. Sejnowski

Computational Neuroscientist; Francis Crick Professor, the...

What If They Need To Suffer?



Thomas Metzinger

Professor of Philosophy, Philosophisches Seminar, Johannes...

Amplifiers/Implementers Of Consciously-Directed Human Choices



D.A. Wallach

Recording Artist; Songwriter; Artist in Residence, Spotify

No Machine Has Ever Thought About The Eternal Questions



Leo M. Chalupa

Neurobiologist; Vice President of Research, George...

Thinking Machines



Bruce Sterling

Science Fiction and Fantasy Writers of America

Call Them Artificial Aliens



Kevin Kelly

Senior Maverick, Wired, Author, Cool Tools; What Technology...

Do Machines Do?



Martin Seligman

Professor and Director, Positive Psychology Center,...

Leveraging Human Intelligence



Keith Devlin

Mathematician; Executive Director, H-STAR Institute,...

The Values Of Artificial Intelligence



S. Abbas Raza

Founding Editor, 3QuarksDaily.com

Yes, But



Neil Gershenfeld

Physicist, Director, MIT's Center for Bits and Atoms;...

A Cultural Context



Daniel L. Everett

Linguistic Researcher; Dean of Arts and Sciences, Bentley...

Humanness



Douglas Coupland

Writer, Artist, Designer; Author; Google Artist in Residence

Manipulators and Manipulanda



Joshua Bongard

Associate Professor of Computer Science, University of...

Are We Thinking More Like Machines That Think?



Ziyad Marar

Global Publishing Director, SAGE; Author, Intimacy:...

Thinking About Thinking Machines



Thomas A. Bass

English Professor, University at Albany;
Author, The Spy...

AI's Will Save Us All



Frank Tipler

Professor of Mathematical Physics, Tulane
University;...

Intelligent Machines—On Earth And Beyond



Mario Livio

Astrophysicist, Space Telescope Science
Institute; Author;...

eGaia—A Distributed Technical-Social Mental System



Marti Hearst

Computer Scientist, UC Berkeley, School of
Information;...

Will Thinking Machines Evolve To Be As Wonderful As Dogs?



Randolph Nesse

Professor of Life Sciences, Director, Center
for Evolution...

The Global Artificial Intelligence Is Here



Alex (Sandy) Pentland

Professor of Computer Science, MIT; Director,
Human...

"Naches" from our Machines



Samuel Arbesman

Complex Systems Scientist and Writer;
Senior Adjunct Fellow...

Machines Will Always Lack Feeling Or Emotion



Gerald Smallberg

Practicing Neurologist, New York City;
Playwright, Off-Off...

It's Going To Be A Wild Ride



John C. Mather

Senior Astrophysicist, Observational
Cosmology Laboratory;...

Thinking Saltmarshes



Ursula Martin

Professor of Computer Science, University of
Oxford

Killer Thinking Machines Keep Human Consciences Clean



Kurt Gray

Assistant Professor of Psychology, University
of North...

Robodoctors Could Provide Better Psychology, Not Just Technology



Gerd Gigerenzer

Psychologist; Director of the Center for
Adaptive Behavior...

Tic-Tac-Toe Chicken



Kevin Slavin

Assistant Professor and Founder, Playful
Systems, MIT Media...

A Crisis of Control



Nicholas G. Carr

Author, The Shallows and The Glass Cage

Don't Just Think, Feel



Timo Hannay

Managing Director, Digital Science,
Macmillan Publishers;...

An Uncanny Three-Ring Test For "Machina Sapiens"



Kai Krause

Software Pioneer; Philosopher; Author, "A
Realtime..."

AI Will Make Us Smart And Robots Afraid



Alun Anderson

Senior Consultant (& former Editor-in-Chief
&...

Shallow Learning



Seth Lloyd

Professor of Quantum Mechanical
Engineering, MIT; Author,...

Machines That Think



Mary Catherine Bateson

Professor Emerita, George Mason University;
Visiting...

Doing Justice To Machines In An "Organicist" World



Steve Fuller

Philosopher; Auguste Comte Chair in Social
Epistemology,...

This Sounds Like Heaven



Virginia Heffernan

Columnist, The New York Times Magazine;
Editorial Director...

Machines That Work Until They Don't



Barbara Strauch

Science Editor, The New York Times; Author,
The Secret Life...

We Are All Machines That Think



Sean Carroll

Theoretical Physicist, Caltech; Author, The
Particle at the...

Thinking Machines Are About Communication



Sheizaf Rafaeli

Professor, Director, The Center for Internet
Research,...

Machines Aren't Thinking "About" Anything



Edward Slingerland

Professor of Asian Studies, Canada Research
Chair in...

Human Culture As The First Artificial Intelligence



Nicholas A. Christakis

Physician and Social Scientist, Yale
University; Co-author...

Beyond "The Uncanny Valley"



Joichi Ito

Director, MIT Media Lab

Is Anyone In Charge Of This Thing?



David Christian

Director, Big History Institute and
Distinguished Professor...

Analog...The Revolution That Dares Not Speak Its Name



George Dyson

Science Historian; Author, Turing's Cathedral: The...

"Designed Intelligence" (DI)



Paul Davies

Theoretical physicist; cosmologist; astro-biologist; co-...

Landscapes



Douglas Rushkoff

Media Analyst; Documentary Writer; Author, Present Shock

What If We Are the MicroBiome of the Silicon AI?



Tim O'Reilly

Founder and CEO of O Reilly Media, Inc.

A Beautiful (Visionary) Mind



Irene Pepperberg

Research Associate & Lecturer, Harvard; Adjunct...

What is "To Think"?



Helen Fisher

Biological Anthropologist, Rutgers University; Author, Why...

Machines That Think? NUTS



Stuart A. Kauffman

Professor of Biological Sciences, Physics, Astronomy,...

Will They Make Us Better People?



Stuart Russell

Professor of Computer Science, Director, Center for...

"Turing+" Questions



Tomaso Poggio

Eugene McDermott Professor in the Department of Brain and...

It Depends



Robert Sapolsky

Neuroscientist, Stanford University; Author, Monkeyluv

The Umwelt of the Unanswerable



Maria Popova

Writer, BrainPickings.org

Organic Intelligence Has No Long-Term Future



Martin Rees

Former President, The Royal Society; Emeritus Professor of...

What, Me Worry?



Lawrence M. Krauss

Physicist; Cosmologist, ASU; Author, A Universe from Nothing

Will Thinking Machines Think About Themselves?



Jessica L. Tracy

Associate Professor of Psychology, University of British...

Will Thinking Machines Think About Themselves?



Kristin Laurin

Assistant Professor of Organizational Behavior, Stanford...

Machines Think but Don't Want, and Hence Aren't Dangerous



Roy Baumeister

Francis Eppes Eminent Scholar and head of the social...

Context Surely Matters



Paul Dolan

Behavioral Scientist, LSE; Expert on Happiness

In Our Own Image



Kate Jeffery

Professor of Behavioural Neuroscience, Head, Dept. of...

Organic Versus Artifactual Thinking



Raul Saucedo

Assistant Professor of Philosophy, University of Colorado...

Organic Versus Artifactual Thinking



June Gruber

Assistant Professor of Psychology, University of Colorado,...

When Thinking Machines Break The Law



Bruce Schneier

Security Technologist; Fellow, Berkman Center for Internet...

Electric Brains



Rebecca MacKinnon

Director, Ranking Digital Rights Project, New America...

I, For One, Welcome Our Superintelligent Machine Overlords



Antony Garrett Lisi

Theoretical physicist

How To Create an Intelligence Explosion— And How to Prevent One



Thomas G Dietterich

Distinguished Professor of Computer Science, Director of...

Our Masters, Slaves or Partners?



John Markoff

Pulitzer Prize-winning Reporter; The New York Times; Author...

Thinking From The Inside Or The Outside?



Matthew D. Lieberman

Professor of Psychology, UCLA; Author, Social: Why Our...

AI is I



Dimitar D. Sasselov

Professor of Astronomy, Harvard University; Director,...

What You Don't Think About Can Hurt You... or Be Hurt By You



Michael Vassar

Founder and Chief Science Officer, BayesCraft

What Will AI's Think About Old-Fashioned Human Minds?



Gregory Paul

Independent Researcher; Author, The Princeton Field Guide...

The Future Is Blocked To Us



Hans Ulrich Obrist

Curator, Serpentine Gallery, London; Editor: A Brief...

A John Henry Moment



Andrian Kreye

Editor, The Feuilleton (Arts and Essays), of the German...

Tulips On My Robot's Tomb



Andrés Roemer

Co-creator, Ideas City; Author, Move UP: Why Some Cultures...

They Don't Think Socially



N.J. Enfield

Professor of Linguistics, Max Planck Institute Nijmegen and...

Self-Aware AI: Not In A Thousand Years



Rolf Dobelli

Founder, Zurich Minds; Journalist; Author, The Art of...

Welcome To The Next Phase Of Human Evolution



Nina Jablonski

Biological Anthropologist and Paleobiologist; Distinguished...

Welcome To Your Transhuman Self



Marcelo Gleiser

Appleton Professor of Natural Philosophy, Dartmouth College...

Domination Versus Domestication



Gary Klein

Senior Scientist, MacroCognition LLC; Author, Seeing What...

Love



Tor Nørretranders

Science Writer; Consultant; Lecturer, Copenhagen; Author,...

Why Can't "Being" Be Computed? Why Can't "Happiness"?



David Gelernter

Computer Scientist, Yale University; Chief Scientist,...

Machines Don't Think, But Neither Do People



Cesar Hidalgo

Associate Professor, MIT Media Lab ; Author, Why...

Machines Won't Be Thinking Anytime Soon



Gary Marcus

Professor of Psychology, Director NYU Center for Language...

Can We Avoid a Digital Apocalypse?



Sam Harris

Neuroscientist; Co-founder and Chairman, Project Reason;...

Could Thinking Machines Bridge The Empathy Gap?



Molly Crockett

Associate Professor of Experimental Psychology, University...

Caring Machines



Abigail Marsh

Associate Professor of Psychology, Georgetown University

Engines Of Freedom



Alexander Wissner-Gross

Scientist; Inventor; Entrepreneur

Response



Koo Jeong - A

Artist

Any Questions?



Sarah Demers

Horace D. Taft Associate Professor of Physics, Yale...

"Seduced (And "Abandoned"?) . . ."Thinkingness" (The Art of That)



Richard Foreman

Playwright & Director; Founder, The Ontological...

Machine Thought Will Never Have More Than A Metaphorical Relationship With Human Thought



Julia Clarke

Associate Professor; A. Wilson Centennial Fellow in...

Progress Free From The Burden Of Humanity And History



Georg Diez

Writer, Journalist, Der Spiegel & Spiegel Online;...

People Must Take Responsibility For Their Actions. Scientists And Technologists Are No Exception.



Jaan Tallinn

Co-Founder, Centre for the Study of Existential Risk,...

Thought Machines, Human Minds, And A Universal Basis For Dignity



Michael McCullough

Director, Evolution and Human Behavior Laboratory,...

Meta-thinking



Hans Halvorson

Professor of Philosophy, Princeton University

The Superintelligent Loner



Kevin P. Hand

Deputy Chief Scientist for Solar System Exploration, NASA...

The Wonder Of Anticipation



Christine Finn

Archaeologist, Journalist; Author, Artifacts

Brains And Other Thinking Machines



Tom Griffiths

Associate Professor, Psychology and Cognitive Science,...

Distributed Collective Intelligence: The Network Of Ideas



Dirk Helbing

Chair of Sociology, ETH Zurich; Scientific Coordinato,...

The Robot With A Hidden Agenda



Brian Knutson

Associate Professor of Psychology and Neuroscience;...

The Iron Law Of Intelligence



John Tooby

Founder of field of Evolutionary Psychology; Co-director,...

Machines Mostly Steal Thoughts But Open A New Era Of Exploration



Maximilian Schich

Associate Professor in Arts and Technology, University of...

Will Machines Do Our Thinking For Us?



Athena Vouloumanos

Associate Professor of Psychology, Director, NYU Infant...

When You Need Someone



Brian Christian

Philosopher, Computer Scientist, Poet; Author, The Most...

"Denkraumverlust"



Timothy Taylor

Professor of the Prehistory of Humanity, University of...

Grandchildren, If-Then Statements, And Artificial (Natural) Selection



Bruce Parker

Visiting Professor, Center for Maritime System; Author, The...

Moral Machines



Benjamin K. Bergen

Associate Professor, Cognitive Science, University of...

After The Plug



Laurence C. Smith

Professor and Chair of Geography; Professor of Earth,...

What If Thinking Machines Are Already All Around Us?



Ian Bogost

Ivan Allen College Distinguished Chair in Media Studies;...

Nano-Intentionality: Why We Have Little to Fear From "Thinking Machines"



W. Tecumseh Fitch

Department of Cognitive Biology, University of Vienna;...

Not Buggy Enough



Michael I. Norton

Associate Professor of Marketing, Harvard Business School;...

Focus On Our Destination, Not The Schedule



Scott Draves

Software Artist

Fear Not The AI



Gregory Benford

Emeritus Professor of Physics and Astronomy, UC-Irvine;...

Not Machines Plural, Machine Singular



Chris Anderson

Curator, TED conferences, TED Talks

Reimagining The Self In A Distributed World



Matthew Ritchie

Artist

It Is Easy To Predict The Future



Raphael Bousso

Professor of Theoretical Physics, Berkeley

Why Is It Hard To Think About Thinking Machines?



Christopher Chabris

Associate Professor of Psychology, Union College; Co-...

Fear Of A God, The Redux



James Croak

Artist

Will We Recognize It When It Happens?



Beatrice Golomb

Professor of Medicine at UCSD

AI's System Of Rights And Government



Moshe Hoffman

Research Scientist, Harvard University; Lecturer, MIT

When I Say "Bruno Latour" I Don't Mean "Banana Till"



John Naughton

Vice-President, Wolfson College; Author, From Gutenberg to...

Among The Machines, Not Within The Machines



Matt Ridley

Science Writer; Founding chairman of the International...

Simulated Social Machines Are Like Meat For Vegans



Eduardo Salcedo-Albaran

Philosopher; Director, Scientific Vortex, Inc

All The Things They Couldn't Possibly Think



Eldar Shafir

William Stewart Tod Professor of Psychology and Public...

Towards The Emergence Of Hybrid Human-Machine Chimeras



Maria Spiropulu

Physics Professor, Caltech; Experimental Physicist

Metarepresentation



Noga Arikha

Historian of ideas; Author, Passions and Tempers: A History...

Make The Thing Impossible To Hate



Rory Sutherland

Executive Creative Director and Vice-Chairman, OgilvyOne...

Don't Be A Chauvinist About Thinking



Tania Lombrozo

Associate Professor of Psychology, UC Berkeley

Thinking Machines = Old Algorithms On Faster Computers



Bart Kosko

Information Scientist and Professor of Electrical...

The Age Of The New Machines, Or Every Society Will Get The Artificial Intelligence It Deserves



Joscha Bach

Cognitive Scientist, MIT Media Lab, Harvard Program for...

Thinking Aloud About Thinking Machines—Chemistry Vs. Electronics



Esther Dyson

Catalyst, Information Technology Startups, EDventure...

The Odds On AI



Anthony Aguirre

Professor of Physics, University of California, Santa Cruz

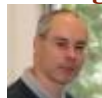
2014—A Turning Point in AI And Robotics



Steve Omohundro

Scientist, Self-Aware Systems; Co-founder, Center for...

Consciousness In Human-Level Artificial Intelligence



Murray Shanahan

Professor of Cognitive Robotics, Imperial College London;...

The Value Loading Problem



Eliezer S. Yudkowsky

Research Fellow; Co-founder, Machine Intelligence Research...

Thinking Does Not Imply Subjugating



Steven Pinker

Johnstone Family Professor, Department of Psychology;...

Let's Get Prepared!



Max Tegmark

Physicist, MIT; Researcher, Precision Cosmology; Scientific...

We Built Them, But We Don't Understand Them



Sendhil Mullainathan

Professor of Economics, Harvard; Assistant Director for...

We Built Them, But We Don't Understand Them



Jon Kleinberg

Tisch University Professor of Computer Science, Cornell...

I Could Be Wrong



Freeman Dyson

Physicist

Just A New Fractal Detail In The Big Picture



Brian Eno

Artist; Composer; Recording Producer: U2, Coldplay, Talking...

I Think, Therefore AI



W. Daniel Hillis

Physicist, Computer Scientist, Chairman of Applied Minds,...

General Purpose Learning Machines



Mustafa Suleyman

Head of Applied AI, Google DeepMind; Co-founder, DeepMind...

General Purpose Learning Machines



Shane Legg

AI Researcher; Co-founder, DeepMind Technologies

General Purpose Learning Machines



Demis Hassabis

Vice President of Engineering, Google DeepMind; Co-founder...

An AI



Katinka Matson

Artist, Literary Agent; Co-Founder, Edge.org; President,...
