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Age of Smart Machines, thoughts on The Work of the
Future with Jamie Merisotis~~

Turing Test: Can Machines Think? ~~Markus Lorenz:
Industry 4.0: how intelligent machines will transform
everything we know~~

Don't fear intelligent machines. Work with them |
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INTERVIEW CONFIRMATION The REAL Reason
McDonalds Ice Cream Machines Are Always Broken
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Richard Feynman. Why. Dmitry Korkin: Computational
Biology of Coronavirus | Lex Fridman Podcast #90
Why incompetent people think they're amazing -
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VC Legend Bill Tai: The \"New Era\" of Valuations

Chris Adami - A new path towards intelligent machines

Ray Kurzweil - The Age of Intelligent Machines

Michio Kaku: The Universe in a Nutshell (Full Presentation)

Big Think Can Machines Think ? | Pradeepta Mishra |

TEDxMarathahalli What happens when our computers get smarter than we are? | Nick Bostrom

How Smart Machines Think The

Computers have proven invaluable in their ability to disseminate information, but it may be at great expense if we humans fail to think for ourselves.

How much can we afford to forget, if we train

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[machines to remember?](#)

Together, the IIoT and the very-much-alive MES are bringing new capabilities and value to manufacturing like never before.

[How The IIoT And MES Work Together To Enhance Operations](#)

Artificial Intelligence (AI) has been redefining society in ways we have never anticipated. Technology is clinging to us in every walk of our lives, right from unlocking our smartphones to our ...

[The smart role of Artificial Intelligence in today's world](#)

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In the not-too-distant future we may begin to feel that our machines have something akin ... a robot that's autonomous and self-aware, I think it would be very hard to say it's not a person ...

The Rise of Smart Machines Puts Spotlight on 'Robot Rights'

Big data is transforming a variety of sectors, ushering them into the era of Industry 4.0. However, having access to raw data and knowing what to do with it are at completely different ends of the ...

The Challenges of Smart Manufacturing

How advanced tools and their associated strategies

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can offer new solutions to challenges heightened by the pandemic.

Re-Defining the Distribution Center

Smart new wi-fi-enabled washing machines are becoming increasingly popular, but what exactly are they, how do they work and how much will they cost? Read on to find out more about the technology, the ...

Smart washing machines explained

Bootstrap Business outlines the history timeline of smart contracts and how they came to be for blockchain and cryptocurrencies like Ethereum.

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The History Timeline Of Smart Contracts: How They Came To Be

This short collection of (mostly) iOS compatible tools show how artificial intelligence will make your meetings smarter, and just how much smarter they may become.

How AI can make meetings smarter

It may sound like a big undertaking, but ice cream is actually one of the easiest desserts to whip up from scratch. But with so many different types of ice cream makers out there, it can be ...

The 11 Best Ice Cream Makers to Satisfy Your Sweet

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Tooth at Home

Put another way, AI is the computer being smart. Machine learning ... on which machine learning relies. Machine learning enables a computer to “think” without being externally programmed.

Machine learning's rise, applications, and challenges
Making a product smart through the human-machine interface, integrated electronics and connectivity ... natural language processing and other technologies designed to think, make decisions and learn, ...

Is Autonomous Machining Coming?

SEE: Best sleep gadgets of 2021: Drift away with

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smart sleeping masks, white noise machines and more (TechRepublic ... will make us not only think of clothing as just a garment that keeps ...

Smart clothing will monitor your health

"These smart clothes are almost impossible to stain and can be used underwater and washed in conventional washing machines without damaging the ... will make us not only think of clothing as just a ...

Smart clothes powered by Wi-Fi monitors wearer's health

"A laser gives you the flexibility to use one machine only, change what you are doing on the fly and

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respond to what's required by your customers." Data plays a key role in smart factories and ...

How the National Robotarium will pioneer smart factory technology that could give Scotland's economy a competitive edge

When deciding how you'll use your Cricut, think about the size of ... making it a smart option for beginners. This Cricut machine is known for its speed and power. The main drawback is its ...

What is the best Cricut machine?

Wellness Coaches, the leading provider of health, safety and wellbeing solutions in the workplace, has

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expanded its capabilities in the digital healthcare sector following the strategic acquisition of ...

Wellness Coaches Expands Digital Healthcare Services with the Acquisition of Benovate Inc.

Machines? Think for themselves ... and started producing bunches of phone usage data. Dumb cars became smart cars, and started producing bunches of driving data. Dumb apps became smart apps ...

Everything you've always wanted to know about self-driving cars, Netflix recommendations, IBM's Watson,

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and video game-playing computer programs. The future is here: Self-driving cars are on the streets, an algorithm gives you movie and TV recommendations, IBM's Watson triumphed on Jeopardy over puny human brains, computer programs can be trained to play Atari games. But how do all these things work? In this book, Sean Gerrish offers an engaging and accessible overview of the breakthroughs in artificial intelligence and machine learning that have made today's machines so smart. Gerrish outlines some of the key ideas that enable intelligent machines to perceive and interact with the world. He describes the software architecture that allows self-driving cars to stay on the road and to navigate crowded urban

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environments; the million-dollar Netflix competition for a better recommendation engine (which had an unexpected ending); and how programmers trained computers to perform certain behaviors by offering them treats, as if they were training a dog. He explains how artificial neural networks enable computers to perceive the world—and to play Atari video games better than humans. He explains Watson's famous victory on Jeopardy, and he looks at how computers play games, describing AlphaGo and Deep Blue, which beat reigning world champions at the strategy games of Go and chess. Computers have not yet mastered everything, however; Gerrish outlines the difficulties in creating intelligent agents

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that can successfully play video games like StarCraft that have evaded solution—at least for now. Gerrish weaves the stories behind these breakthroughs into the narrative, introducing readers to many of the researchers involved, and keeping technical details to a minimum. Science and technology buffs will find this book an essential guide to a future in which machines can outsmart people.

Everything you've always wanted to know about self-driving cars, Netflix recommendations, IBM's Watson, and video game-playing computer programs. The future is here: Self-driving cars are on the streets, an algorithm gives you movie and TV recommendations,

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IBM's Watson triumphed on Jeopardy over puny human brains, computer programs can be trained to play Atari games. But how do all these things work? In this book, Sean Gerrish offers an engaging and accessible overview of the breakthroughs in artificial intelligence and machine learning that have made today's machines so smart. Gerrish outlines some of the key ideas that enable intelligent machines to perceive and interact with the world. He describes the software architecture that allows self-driving cars to stay on the road and to navigate crowded urban environments; the million-dollar Netflix competition for a better recommendation engine (which had an unexpected ending); and how programmers trained

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A public policy leader addresses how artificial intelligence is transforming the future of labor—and what we can do to protect the role of workers. As computer technology advances with dizzying speed, human workers face an ever-increasing threat of obsolescence. In *Human Work In the Age of Smart Machines*, Jamie Merisotis argues that we can—and must—rise to this challenge by preparing to work alongside smart machines doing that which only humans can: thinking critically, reasoning ethically, interacting interpersonally, and serving others with

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empathy. The president and CEO of Lumina Foundation, Merisotis offers a roadmap for the large-scale, radical changes we must make in order to find abundant and meaningful work for ourselves in the 21st century. His vision centers on developing our unique capabilities as humans through learning opportunities that deliver fair results and offer a broad range of credentials. By challenging long-held assumptions and expanding our concept of work, Merisotis argues that we can harness the population's potential, encourage a deeper sense of community, and erase a centuries-long system of inequality.

We are crossing a new frontier in the evolution of

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computing and entering the era of cognitive systems. The victory of IBM's Watson on the television quiz show Jeopardy! revealed how scientists and engineers at IBM and elsewhere are pushing the boundaries of science and technology to create machines that sense, learn, reason, and interact with people in new ways to provide insight and advice. In *Smart Machines*, John E. Kelly III, director of IBM Research, and Steve Hamm, a writer at IBM and a former business and technology journalist, introduce the fascinating world of cognitive systems to general audiences and provide a window into the future of computing. Cognitive systems promise to penetrate complexity and assist people and organizations in

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better decision making. They can help doctors evaluate and treat patients, augment the ways we see, anticipate major weather events, and contribute to smarter urban planning. Kelly and Hamm's comprehensive perspective describes this technology inside and out and explains how it will help us conquer the harnessing and understanding of big data, one of the major computing challenges facing businesses and governments in the coming decades. Absorbing and impassioned, their book will inspire governments, academics, and the global tech industry to work together to power this exciting wave in innovation.

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A fascinating look at Artificial Intelligence, from its humble Cold War beginnings to the dazzling future that is just around the corner. When most of us think about Artificial Intelligence, our minds go straight to cyborgs, robots, and sci-fi thrillers where machines take over the world. But the truth is that Artificial Intelligence is already among us. It exists in our smartphones, fitness trackers, and refrigerators that tell us when the milk will expire. In some ways, the future people dreamed of at the World's Fair in the 1960s is already here. We're teaching our machines how to think like humans, and they're learning at an incredible rate. In *Thinking Machines*, technology journalist Luke Dormehl takes you through the history

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of AI and how it makes up the foundations of the machines that think for us today. Furthermore, Dormehl speculates on the incredible--and possibly terrifying--future that's much closer than many would imagine. This remarkable book will invite you to marvel at what now seems commonplace and to dream about a future in which the scope of humanity may need to broaden itself to include intelligent machines.

Weighing in from the cutting-edge frontiers of science, today's most forward-thinking minds explore the rise of "machines that think." Stephen Hawking recently made headlines by noting, "The development of full

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artificial intelligence could spell the end of the human race." Others, conversely, have trumpeted a new age of "superintelligence" in which smart devices will exponentially extend human capacities. No longer just a matter of science-fiction fantasy (2001, Blade Runner, The Terminator, Her, etc.), it is time to seriously consider the reality of intelligent technology, many forms of which are already being integrated into our daily lives. In that spirit, John Brockman, publisher of Edge. org ("the world's smartest website" – The Guardian), asked the world's most influential scientists, philosophers, and artists one of today's most consequential questions: What do you think about machines that think?

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A scientist who has spent a career developing Artificial Intelligence takes a realistic look at the technological challenges and assesses the likely effect of AI on the future. How will Artificial Intelligence (AI) impact our lives? Toby Walsh, one of the leading AI researchers in the world, takes a critical look at the many ways in which "thinking machines" will change our world. Based on a deep understanding of the technology, Walsh describes where Artificial Intelligence is today, and where it will take us. * Will automation take away most of our jobs? * Is a "technological singularity" near? * What is the chance that robots will take over? * How do we best prepare

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for this future? The author concludes that, if we plan well, AI could be our greatest legacy, the last invention human beings will ever need to make.

The 2012 National Research Council report *Continuing Innovation in Information Technology* illustrates how fundamental research in information technology (IT), conducted at industry and universities, has led to the introduction of entirely new product categories that ultimately became billion-dollar industries. The central graphic from that report portrays and connects areas of major investment in basic research, university-based research, and industry research and development; the introduction of important

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commercial products resulting from this research; billion-dollar-plus industries stemming from it; and present-day IT market segments and representative U.S. firms whose creation was stimulated by the decades-long research. At a workshop hosted by the Computer Science and Telecommunications Board on March 5, 2015, leading academic and industry researchers and industrial technologists described key research and development results and their contributions and connections to new IT products and industries, and illustrated these developments as overlays to the 2012 "tire tracks" graphic. The principal goal of the workshop was to collect and make available to policy makers and members of the

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IT community first-person narratives that illustrate the link between government investments in academic and industry research to the ultimate creation of new IT industries. This report provides summaries of the workshop presentations organized into five broad themes - (1) fueling the innovation pipeline, (2) building a connected world, (3) advancing the hardware foundation, (4) developing smart machines, and (5) people and computers - and ends with a summary of remarks from the concluding panel discussion.

AI is radically transforming business. Are you ready? Look around you. Artificial intelligence is no longer

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just a futuristic notion. It's here right now--in software that senses what we need, supply chains that "think" in real time, and robots that respond to changes in their environment. Twenty-first-century pioneer companies are already using AI to innovate and grow fast. The bottom line is this: Businesses that understand how to harness AI can surge ahead. Those that neglect it will fall behind. Which side are you on? In *Human + Machine*, Accenture leaders Paul R. Daugherty and H. James (Jim) Wilson show that the essence of the AI paradigm shift is the transformation of all business processes within an organization--whether related to breakthrough innovation, everyday customer service, or personal

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productivity habits. As humans and smart machines collaborate ever more closely, work processes become more fluid and adaptive, enabling companies to change them on the fly--or to completely reimagine them. AI is changing all the rules of how companies operate. Based on the authors' experience and research with 1,500 organizations, the book reveals how companies are using the new rules of AI to leap ahead on innovation and profitability, as well as what you can do to achieve similar results. It describes six entirely new types of hybrid human + machine roles that every company must develop, and it includes a "leader's guide" with the five crucial principles required to become an AI-fueled business. Human +

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Machine provides the missing and much-needed management playbook for success in our new age of AI. BOOK PROCEEDS FOR THE AI GENERATION The authors' goal in publishing Human + Machine is to help executives, workers, students and others navigate the changes that AI is making to business and the economy. They believe AI will bring innovations that truly improve the way the world works and lives. However, AI will cause disruption, and many people will need education, training and support to prepare for the newly created jobs. To support this need, the authors are donating the royalties received from the sale of this book to fund education and retraining programs focused on

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developing fusion skills for the age of artificial intelligence.

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