

Our NEXT Speaker



VUCA World

Governing Through Disruptive Change

Volatile

Uncertain

Complex

Ambiguous

The FUTURES

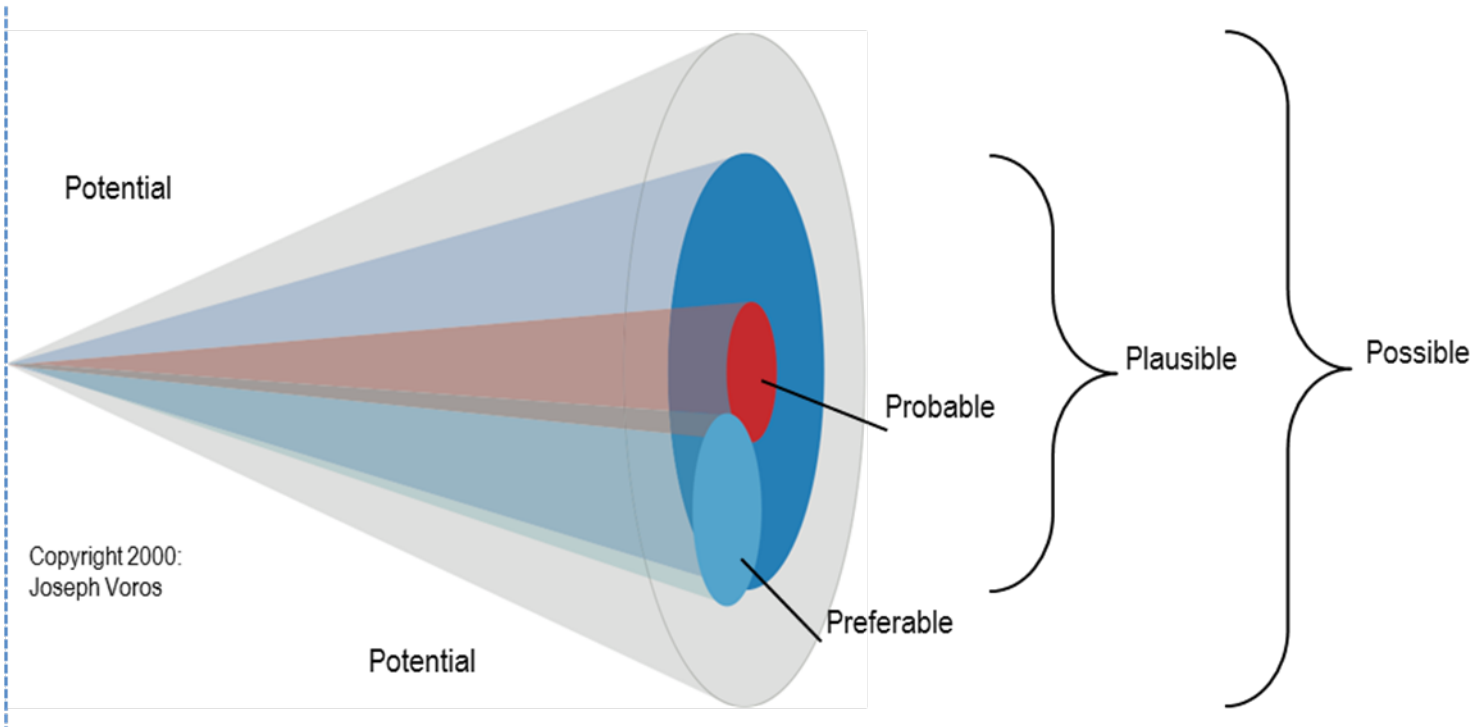
Multiple

Open

Makeable

The FUTURES

Now



Passes the Turing Test

Eugene Goostman
THE WEIRDEST CREATURE IN THE WORLD



Type your question here:

We Are Now Living In "the Future"

But let's be consistent in our story, first of all we should say that Eugene comes from Odessa since es... fall into cynicism and nihilism, if your dad were? His elder brother, under this wicked influe anyone who doesn't admit their genialty, cut their ears to look like Van Gogh, don't take a exactly Eugene's brother liked to draw, so we end this chapter.

Part 2. The Green-Skinned Crayventologists

Now we're going to "saucer" but a big f...

Open Cyber Warfare

The Navy has lasers



Cryptocurrencies



 **NEW YORK POST** Page Six
SATURDAY, DECEMBER 20, 2014 / Clouds, 41° / Weather: P. 12 ** LATE CITY FINAL nypost.com \$1.25

Hacker in chief

- Kim behind cyber attack
- Sony flick nix wrong: Bam

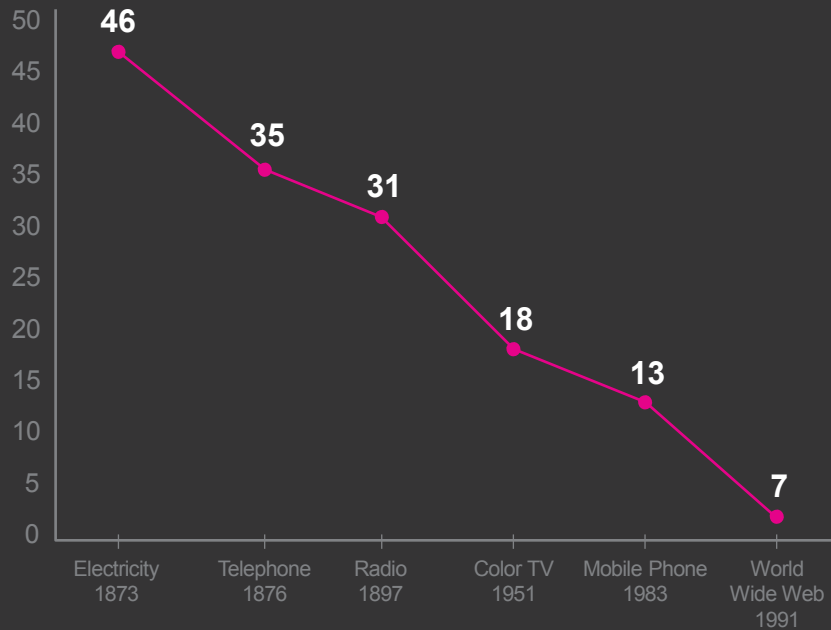
FULL STORY: PAGE 7



6

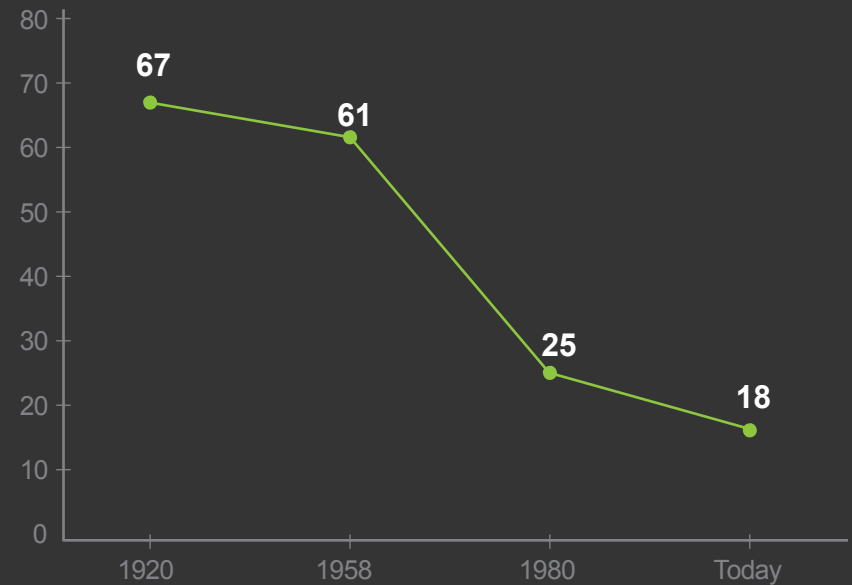
And We Live in an Accelerating World

Years from invention to 25% of U.S. Population



Source: National Intelligence Council's "Global Trends 2030: Alternative Worlds" Report

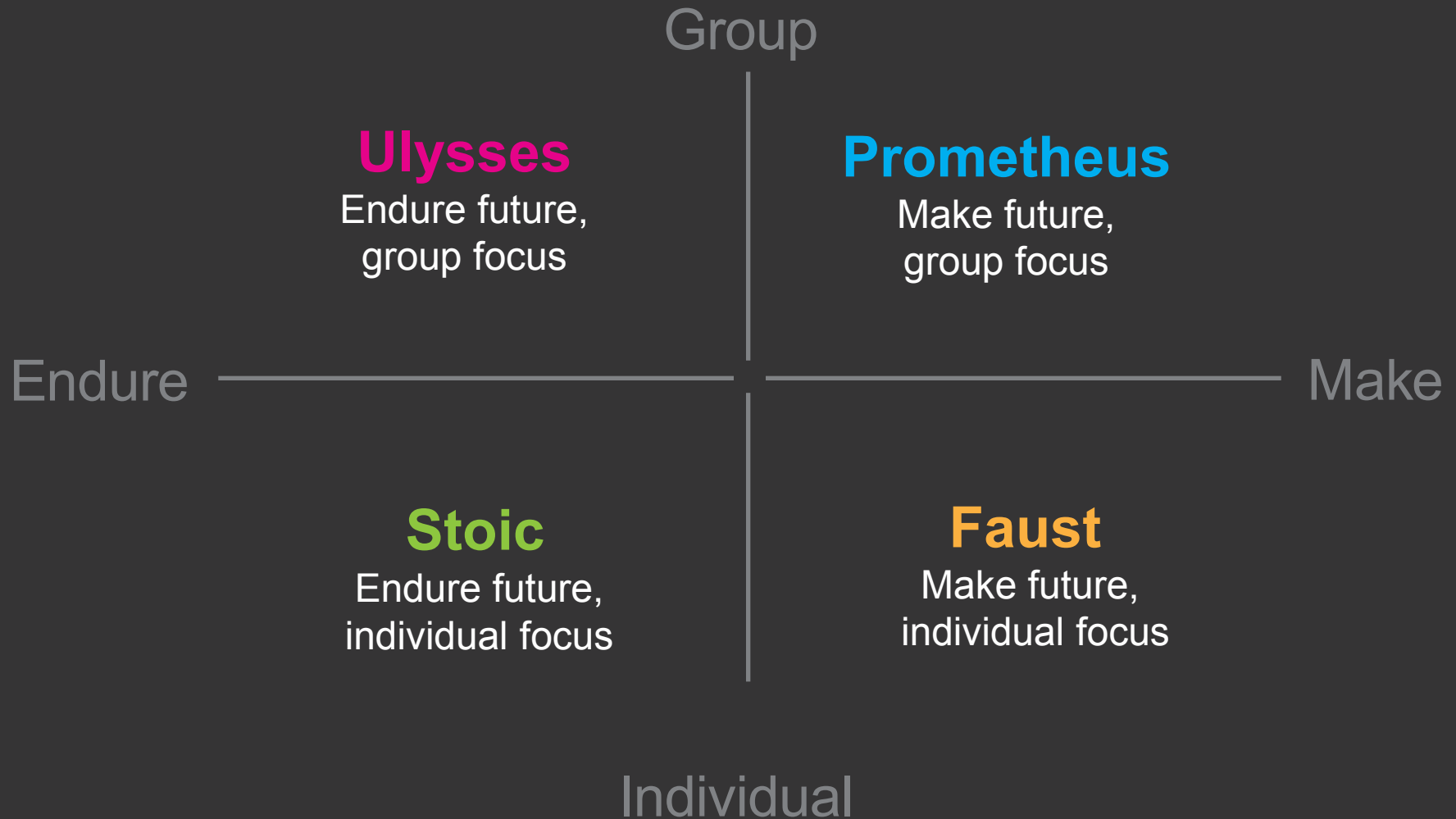
Lifespan of Corporation on S&P 500



Source: Richard Foster, Yale
http://www.innosight.com/innovation-resources/strategy-innovation/upload/creative-destruction-whips-through-corporate-america_final2012.pdf

FORESIGHT 101

How Do You Think About the Futures?



“Any useful idea about the futures should appear to be ridiculous.”

Jim Dator

**Engage Inside
and Out**

**Look Back to
Look Forward**

Use Megatrends

**Think like a
Superhero**

**Look Where
Futures Are?**

Ask children

**What Will Be
Abundant and What
Will Be Scarce?**

STEEP

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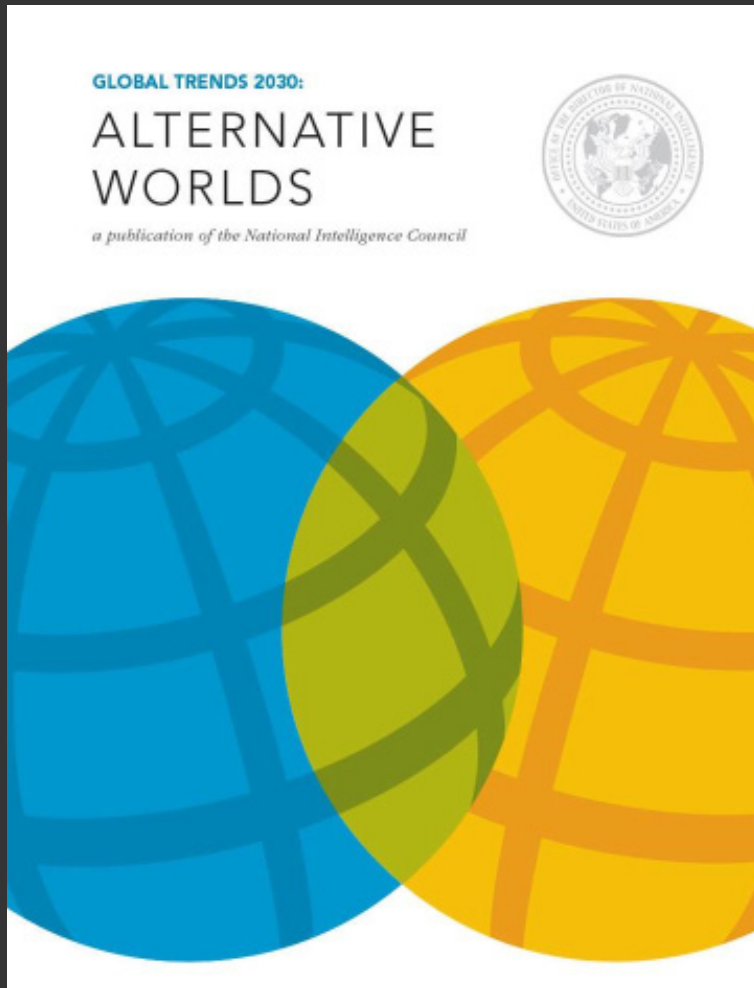
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MEGA-trends



Accelerating Change

Global Middle Class

Individual Empowerment

Diffusion of Power

Aging

Food and Water Scarcity (?)

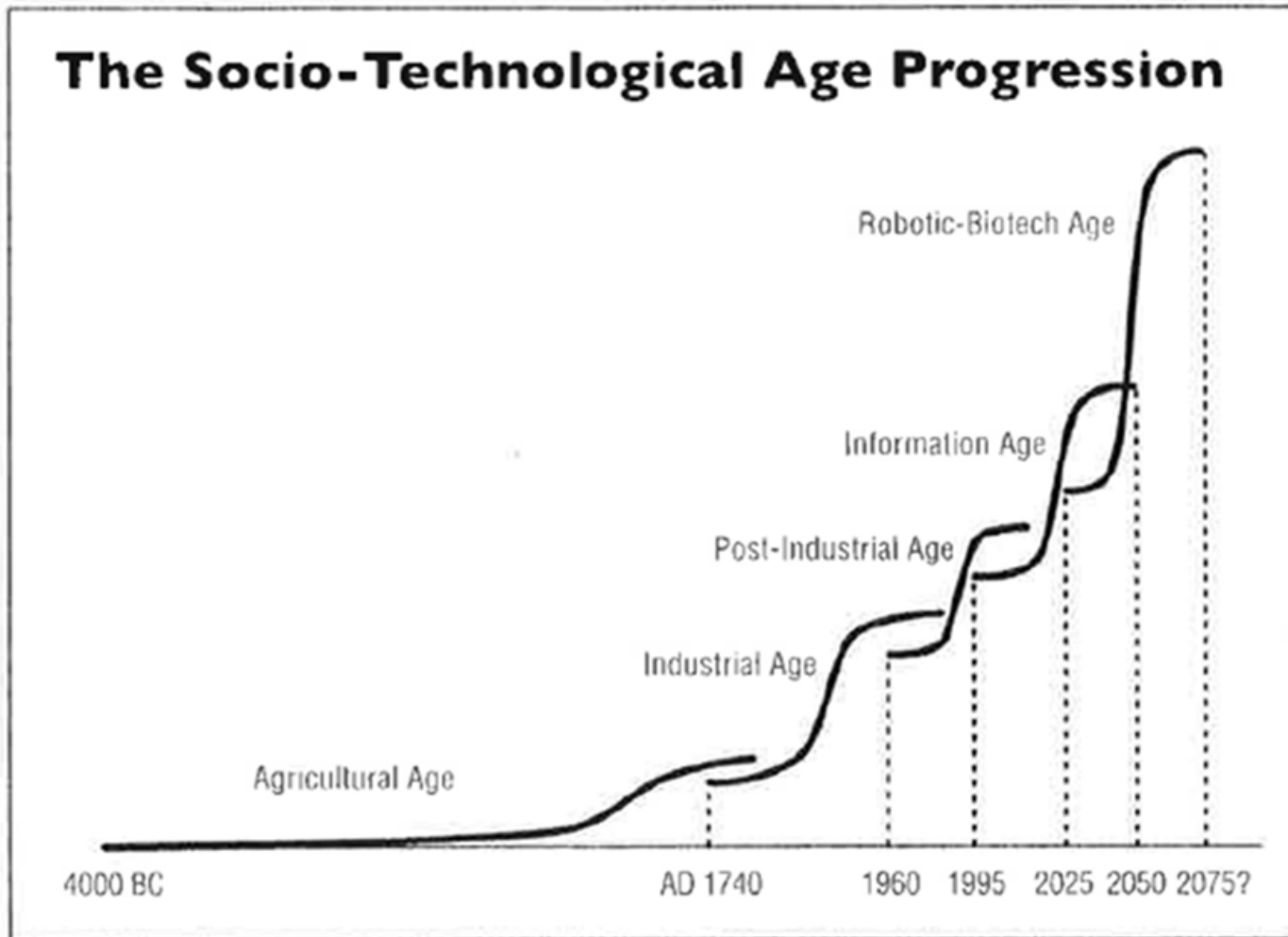
Ubiquitous Computing

Radical Transparency

Automation

Prosumers

Big Changes on the Horizon



Irvine



Schwarzbach

About the Authors

James Irvine is director of the Revolution in Military Affairs Program at the Naval Air Warfare Center, Weapons Division (NAWCWD) in China Lake, California. He has worked as a systems engineer for the U.S. Navy for the last four decades, and has authored numerous studies on future military geopolitics and technology. E-mail james.irvine@navy.mil.

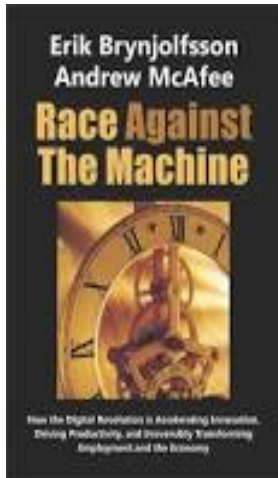
Sandra Schwarzbach is senior strategic analyst for the Naval Air Warfare Center at China Lake, California. She advises the Office of the Secretary of Defense and the Chief of Naval Operations on security issues and contributes regularly to Department of Defense planning initiatives. She has also taught courses on military strategy development and participated in the design of multiple weapons and weapon systems. E-mail Sandra.schwarzbach@navy.mil.

Sci/Tech

9 The Top 20 (Plus 5) Technologies for the World Ahead
By James H. Irvine and Sandra Schwarzbach

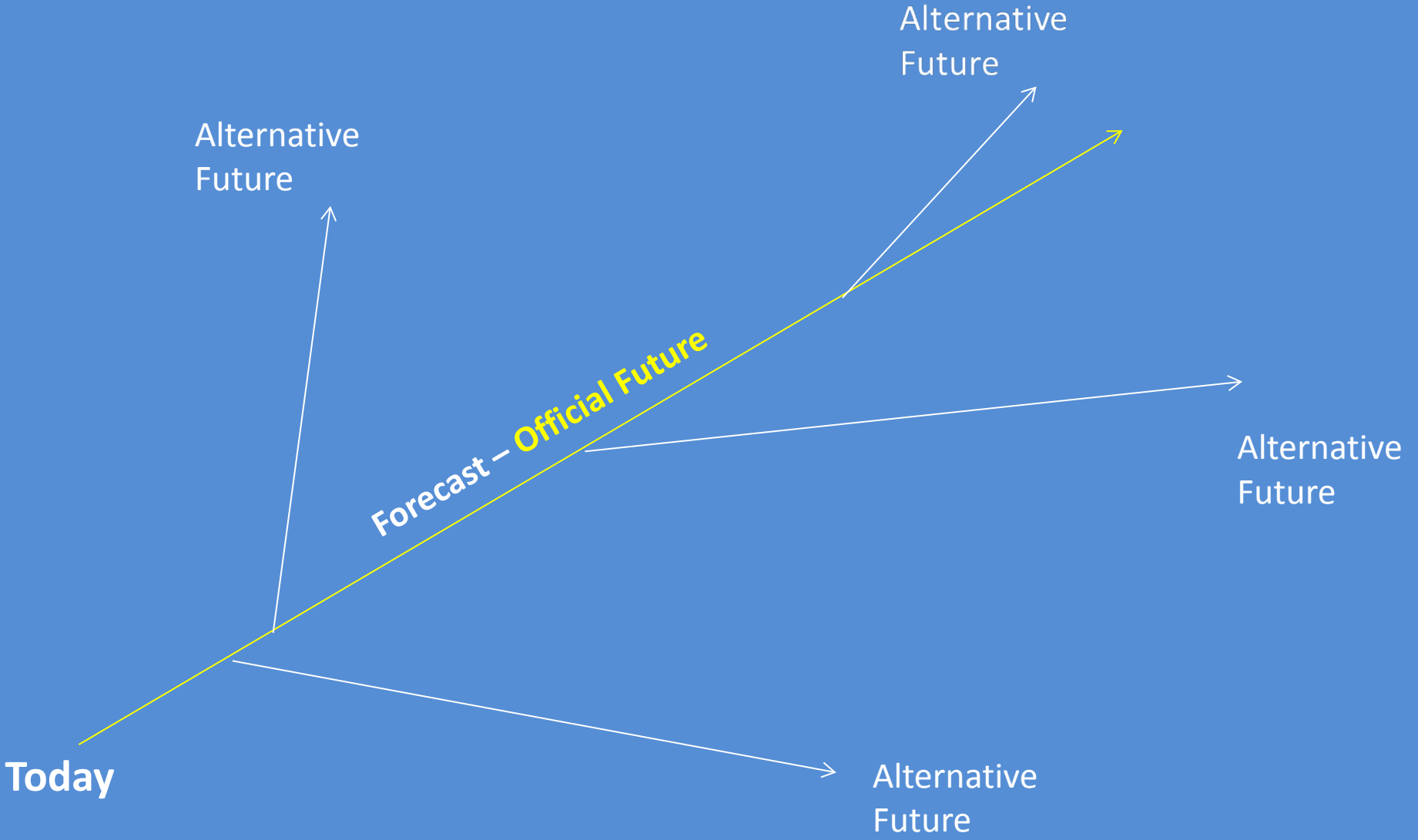
<http://www.wfs.org/reports/UrgentWarningsReport2ndEd.pdf>

...and a different society.



Emergence of the New Social Structure

Agricultural Age Social Structure	Industrial Age Social Structure	Post-Industrial Age Social Structure	Information Age Social Structure	Robotic-Biotech Age Social Structure
Aristocracy	Upper Class	Upper Class	Upper & Ruling Class	Upper & Ruling Class
Intellectuals & Artists	Intellectuals & Knowledge Workers	Intellectuals & Artists	Intellectuals	Intellectuals
Merchants	Merchants	Merchants & Entrepreneurs	Developers of Intellectual Goods	Developers of Intellectual Goods
Artists & Craftsmen		Urban Bohemians	Cultural Sycophants	Cultural Sycophants
Agricultural Workers			Entrepreneurs	Entrepreneurs
			Knowledge Workers Sub-Class	Knowledge Workers Sub-Class
	Industrial Workers	Skill & Knowledge Workers	Skill & Knowledge Workers	System Knowledge Workers Sub-Class
		Retirees	Bio-Med Sub-Class	Skill & Knowledge Workers
		Industrial Workers	Retirees	Bio-Med Sub-Class
	Agricultural Workers	Service Workers	Industrial Workers Agricultural Population	Retirees
		Working Poor	Service Workers	Industrial Workers Agricultural Population
		Agricultural Workers	Working Poor (unskilled but trainable for routine tasks)	Service Workers
		Social Wards	Social Wards	Working Poor (unskilled but trainable for routine tasks)
			Under Class	Social Wards
				Under Class



Governing Crises of Tomorrow

Disruptive Dozen



- Ageing
- Pensions
- Scarcity and Abundance
- Economic Dislocation and Transition
- Automation
- Demand for Resilience
- Post-National Structures
- Post-National Currencies
- Alternative Business Models (DAOs, Sharing, Etc.)
- Prosumers / Makers
- Disintermediation
- Extreme Transparency & Sousveillance

2012

Only **1 country** with
more than **30%** over **60**

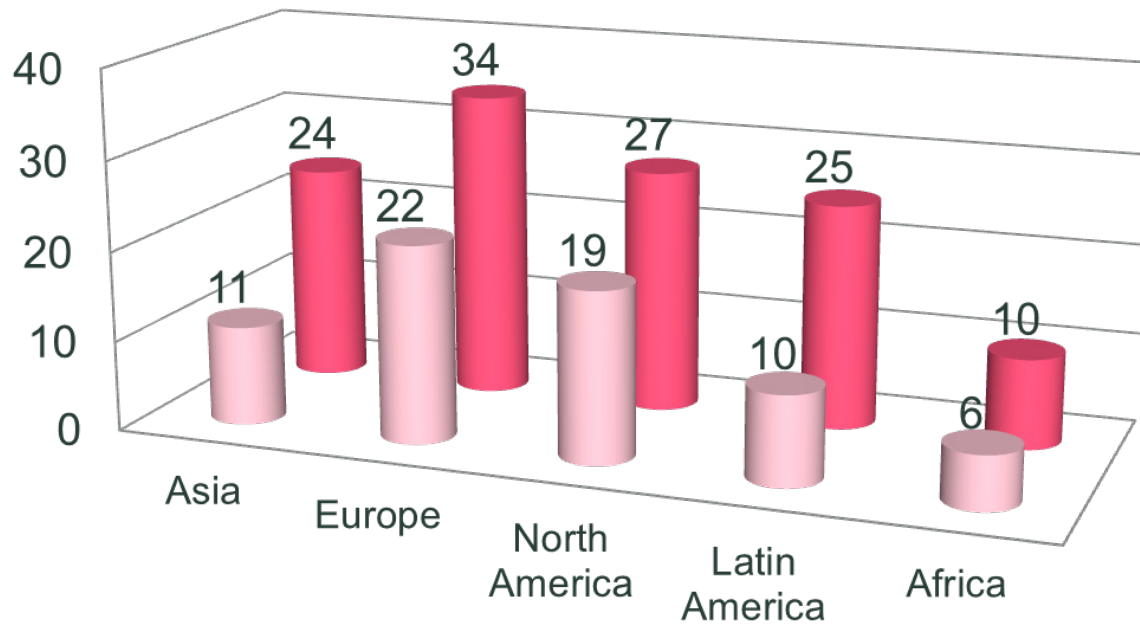


2050

64 countries with
more than **30%** over **60**



The Graying Globe

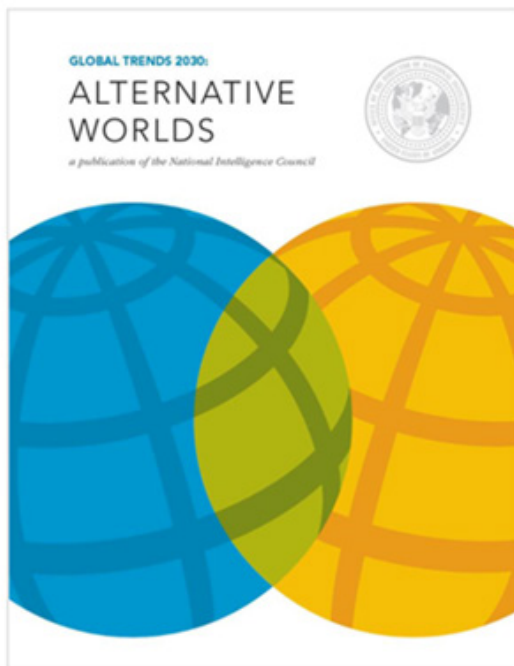


■ 2012
■ 2050



Virtually All Nations Age

US Exits Demographic Window in 2015



Country	Median Age, 2010	Median Age, 2030	Demographic Window of Opportunity
Brazil	29	35	2000 to 2030
India	26	32	2015 to 2050
China	35	43	1990 to 2025
Russia	39	44	1950 to 2015
Iran	26	37	2005 to 2040
Japan	45	52	1965 to 1995
Germany	44	49	before 1950 to 1990
United Kingdom	40	42	before 1950 to 1980
United States	37	39	1970 to 2015

Automation



In 2011 the Chinese tech manufacturing titan, Foxconn, announced plans to purchase and embed one million robots across its operations.

Liu Kun, a Foxconn spokesperson told China Daily:

"We have canceled hiring entry-level workers, a decision that is partly associated with our efforts in production automation."

THE FUTURE OF EMPLOYMENT: HOW SUSCEPTIBLE ARE JOBS TO COMPUTERISATION?*

Carl Benedikt Frey[†] and Michael A. Osborne[‡]

September 17, 2013

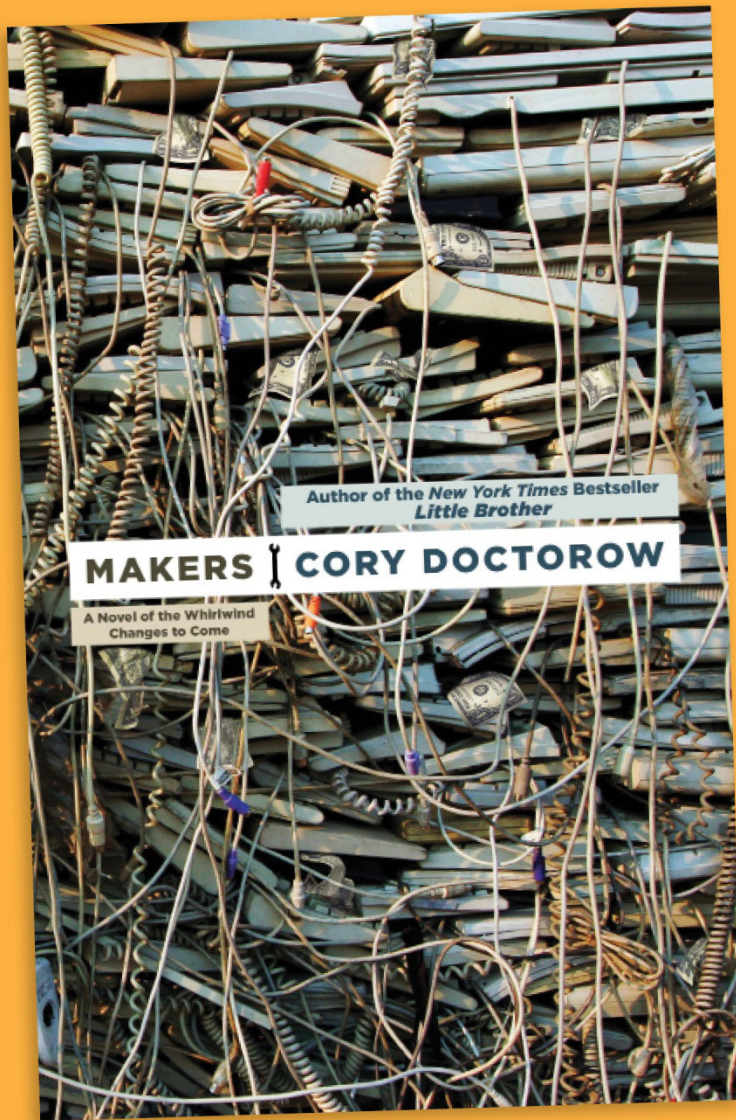
47% of Total US Employment at Risk

wages and educational attainment. According to our estimates, about 47 percent of total US employment is at risk. We further provide evidence that wages and educational attainment exhibit a strong negative relationship with an occupation's probability of computerisation.



ethereum





A grayscale photograph of a hand with the index finger pointing towards the right, positioned on the left side of the frame. The background is a blurred crowd of people with their hands raised.

Thank You



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