

# FOREIGN AFFAIRS

Special Collection

January 20, 2016

## **Introduction**

1

*Gideon Rose*

December 12, 2015

## **The Fourth Industrial Revolution**

3

**What It Means and How to Respond**

*Klaus Schwab*

### THE DRIVERS

November/December 2012

## **How to Make Almost Anything**

12

**The Digital Fabrication Revolution**

*Neil Gershenfeld*

March/April 2014

## **As Objects Go Online**

28

**The Promise (and Pitfalls) of the Internet of Things**

*Neil Gershenfeld and Jp Vasseur*

May/June 2013

## **The Rise of Big Data**

39

**How It's Changing the Way We Think About the World**

*Kenneth Neil Cukier and Viktor Mayer-Schoenberger*

March/April 2014  
**The Mobile-Finance Revolution** 54  
**How Cell Phones Can Spur Development**  
*Jake Kendall and Rodger Voorhies*

November/December 2013  
**Biology's Brave New World** 63  
**The Promise and Perils of the Synbio Revolution**  
*Laurie Garrett*

July/August 2015  
**The Robots Are Coming** 85  
**How Technological Breakthroughs Will Transform  
Everyday Life**  
*Daniela Rus*

THE IMPACT

July/August 2014  
**New World Order** 95  
**Labor, Capital, and Ideas in the Power Law Economy**  
*Erik Brynjolfsson, Andrew McAfee, and Michael Spence*

July/August 2015  
**Will Humans Go the Way of Horses?** 106  
**Labor in the Second Machine Age**  
*Erik "Brynjolfsson and Andrew McAfee*

July/August 2015  
**Same as It Ever Was** 116  
**Why the Techno-optimists Axe Wrong**  
*Martin Wolf*

October 31, 2014	
<b>The Future of Cities</b>	<b>129</b>
<b>The Internet of Everything will Change How We Live</b>	
<i>John Chambers and Wim Elfrink</i>	
July/August 2015	
<b>The Coming Robot Dystopia</b>	<b>139</b>
<b>All Too Inhuman</b>	
<i>Illah Reza Nourbakhsh</i>	
January/February 2011	
<b>The Political Power of Social Media</b>	<b>149</b>
<b>Technology, the Public Sphere, and Political Change</b>	
<i>Clay Shirky</i>	
March/April 2011	
<b>From Innovation to Revolution</b>	<b>166</b>
<b>Do Social Media Make Protests Possible?</b>	
<i>Malcolm Gladwell and Clay Shirky</i>	
THE POLICY CHANGES	
July/August 2015	
<b>The Next Safety Net</b>	<b>169</b>
<b>Social Policy for a Digital Age</b>	
<i>Nicolas Colin and Bruno Palier</i>	
August 12, 2015	
<b>The Moral Code</b>	<b>177</b>
<b>How To Teach Robots Right and Wrong</b>	
<i>Nayef Al-Rodhan</i>	

<b>March/April 2014</b>	
<b>Privacy Pragmatism</b>	<b>185</b>
<b>Focus on Data Use, Not Data Collection</b>	
<i>Craig Mundie</i>	
<b>January/February 2015</b>	
<b>The Power of Market Creation</b>	<b>198</b>
<b>How Innovation Can Spur Development</b>	
<i>Bryan C. Mezue, Clayton M. Christensen, and Derek van Bever</i>	
<b>January/February 2015</b>	
<b>The Innovative State</b>	<b>210</b>
<b>Governments Should Make Markets, Not Just Fix Them</b>	
<i>Mariana Mazzucato</i>	
<b>November/December 2015</b>	
<b>Food and the Transformation of Africa</b>	<b>222</b>
<b>Getting Smallholders Connected</b>	
<i>Kofi Annan and Sam Dryden</i>	