

# EL FUTURO DEL TRABAJO

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**Parte I:**

**¿Qué está pasando?**









JUL 31, 2011 @ 02:51 PM 3,138 VIEWS

# FoxConn to Replace Workers With Robots; Aim For One Million Robots In Three Years



**Alex Knapp**, FORBES STAFF

*I write about the future of science, technology, and culture.*

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Opinions expressed by Forbes Contributors are their own.

FULL BIO ▾



Image by AFP via @daylife

# Canon Camera Factory To Go Fully Automated, Phase Out Human Workers

BY [DAVID J. HILL](#) ON JUN 06, 2012 | [ROBOTS](#)

👁 10,253 💬 10 ⭐

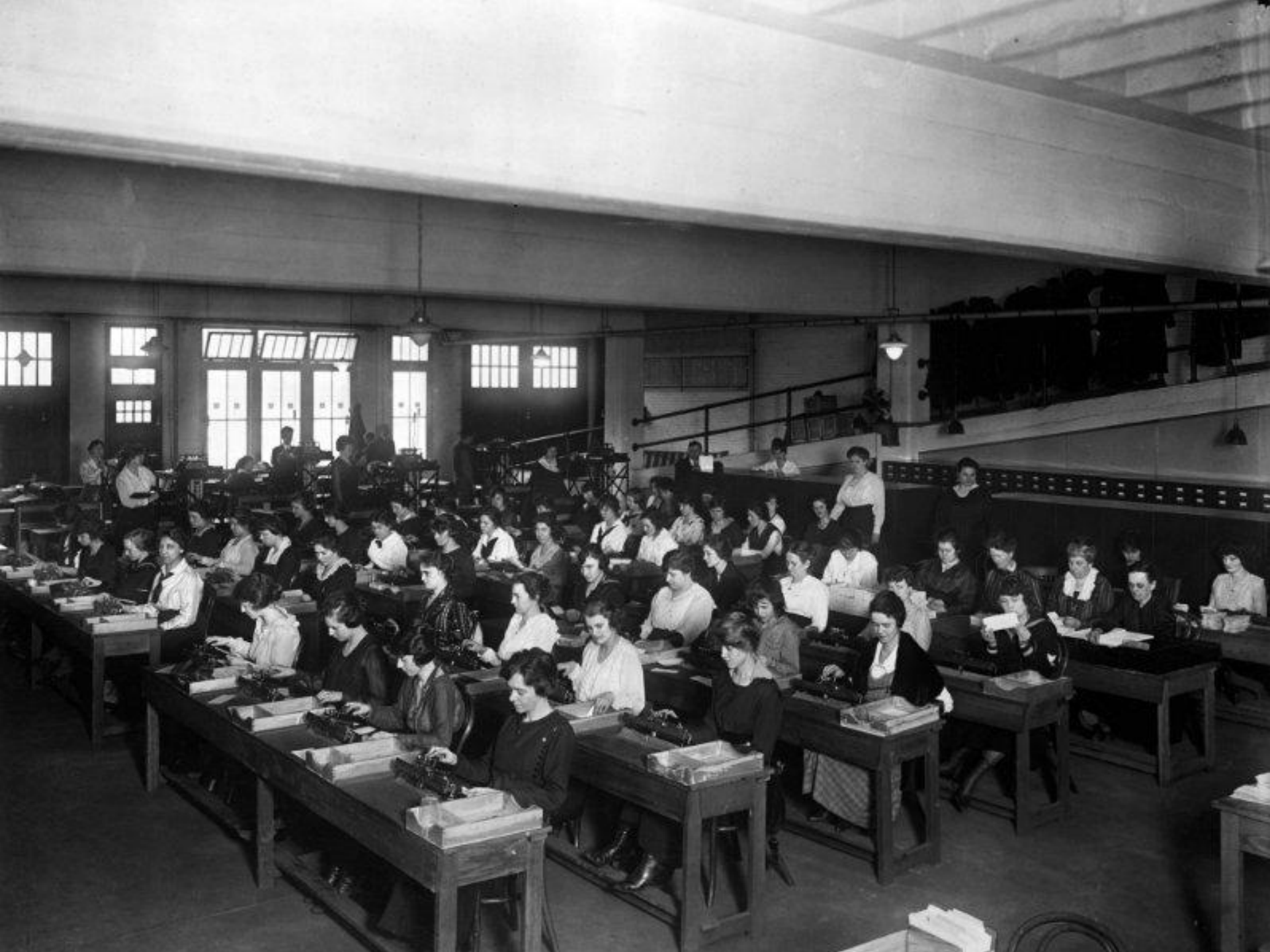


Camera factory workers at Canon are scheduled to be replaced by robots in the near future.

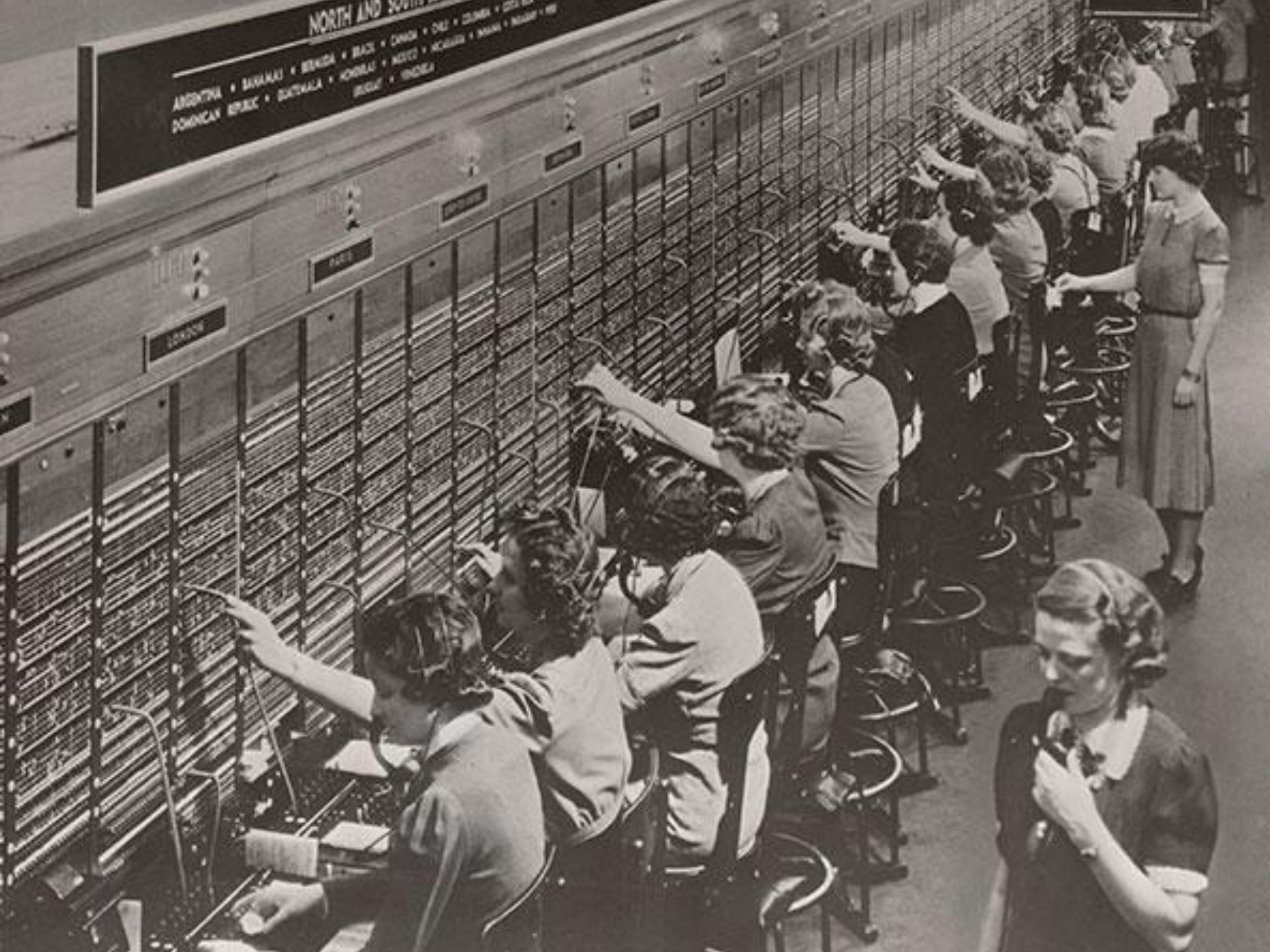
In the second *Star Wars* prequel, *Attack Of The Clones*, C3PO walks into a droid factory and exclaims, "Machines building machines? How perverse!" Although it may be an abomination to a fictional robot, for the Japanese camera maker Canon, a fully automated factory is good business sense.

Recently, the company announced that over the next few years, some of its camera factories will phase out human workers in an effort to reduce costs. That means robots will soon be making the next generation of cameras, possibly as soon as 2015.

In an effort to convince the public that this move doesn't mean layoffs at Canon, the company's spokesman































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American



**Pero ahora...**

# Robots have mastered news writing. Goodbye journalism

TECHNOLOGY / 06 MARCH 14 / by LIAT CLARK



949 shares  
4 comments

"It actually started with me reading an article by Steven Levy in *Wired* about algorithms and news content -- 'Can an Algorithm Write a Better News Story Than a Human Reporter?,' " Christer Clerwall tells Wired.co.uk. "My first thought was 'maybe it doesn't have to be better -- how about 'a good enough story'?" Sadly, *Wired* may turn out to be the architect of its own destruction. Because Clerwall, an assistant professor of media and communications at Sweden's Karlstad University, has found the answer to this question. And it's yes.

↗ ENLARGE







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**SF Nerds Can Now Impress**

# Elon Musk, Sam Altman Predict Self-Driving Cars Will Be On The Road In Just A Few Years

Posted Oct 6, 2015 by [Sarah Buhr](#) (@sarahbuhr)

3,778  
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## CrunchBase

**Elon Musk** -

### BIO

Elon Musk is an entrepreneur and a co-founder of [PayPal](/company/paypal), [Tesla Motors](/company/tesla-motors) and [Space Exploration Technologies](/company/space-exploration-technologies). He is chairman/CEO of Tesla Motors and SpaceX, and chairman of [SolarCity](/company/solarcity). Musk was born and grew up in South Africa, the son of a South African engineer and a Canadian-born mother who ...

[Full profile for Elon Musk](#)

**Sam Altman** +

**TE NEWSLETTERS**

# Google reveals its self-driving cars, which have no steering wheel or brake pedals



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Google's co-founder Sergey Brin **announced** at the **Code Conference** today that the company has



**KAYLENE HONG**

11 hours ago

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## AUTO INDUSTRY

# Daimler launches self-drive trucks on public roads in Nevada

Germany's Daimler is the first carmaker to operate driverless trucks on public roads in the US. So far, cars and trucks had only been tested on cordoned-off sections, both in the US and Germany.



© Daimler AG - Global Communications Commercial Vehicles

Daimler has been granted a fully operational license by the state of Nevada for two vehicles from its US brand Freightliner Inspiration Trucks. It is the first time driverless trucks are being tested and used on

Date 06.05.2015

Keywords [self-drive](#), [autonomous vehicles](#), [Daimler](#), [Freightliner Inspiration Trucks](#), [Nevada](#)

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Hourly Update

NEWS



Takeover fears, not stifling journalists, sent Heckler & Koch to





**WATSON**





What is Watson?

# This is Watson

Follow the story of the development of Watson from a modest DeepQA machine to a formidable *Jeopardy!* contestant. Watch the videos below to see how Watson represents a leap forward in data analytics and how this technology will impact business and industry.



## The Next Grand Challenge

IBM and its history of scientific breakthroughs can be credited to a commitment to research and Grand Challenges. Find out how these challenges help push science in ways that weren't thought possible before.

[Watch >](#)


## Why Jeopardy!?

The IBM *Jeopardy!* Challenge is more than a game. *Jeopardy!* makes great demands on its players—and even greater demands on a computer system. Learn about the unique hurdles *Jeopardy!* presents that Watson must overcome in order to achieve the scientific goals of the project.

[Watch >](#)

Related content

# TED

TED

Watch the TED.com webcast of Dr. David Ferrucci and others discussing the *Jeopardy!* challenge and the impact the technology behind Watson could have on society.

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O F T H I N K T N  
Q W C A C D S Z M  
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### Optimize your data warehouse for deeper insights

With company growth comes a rapid accumulation of diverse information composed of words and numbers—a data abundance needing proper analysis. IBM InfoSphere Warehouse shares common text analytics technology with Watson to help businesses address their analytical needs.

[Learn more >](#)

Watson Buzz



IBM Watson

@Library\_Gerbils Hi, you can also match wits with



Introducing

# IBM Watson Health

 [Watch Video Now](#)



## Fueling a New Generation of Health Insights

People today want more information to inform the decisions they make about their health. Many different factors that affect one's health: nutrition, lifestyle, medical history - and today, much of this information can be captured in data. Personal fitness trackers, wearable health monitors, and other connected devices are



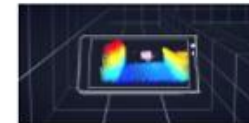
# Artificial Intelligence Is Now Telling Doctors How to Treat You

BY DANIELA HERNANDEZ, KAISER HEALTH NEWS 06.02.14 | 6:30 AM | PERMALINK

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## MOST RECENT WIRED POSTS



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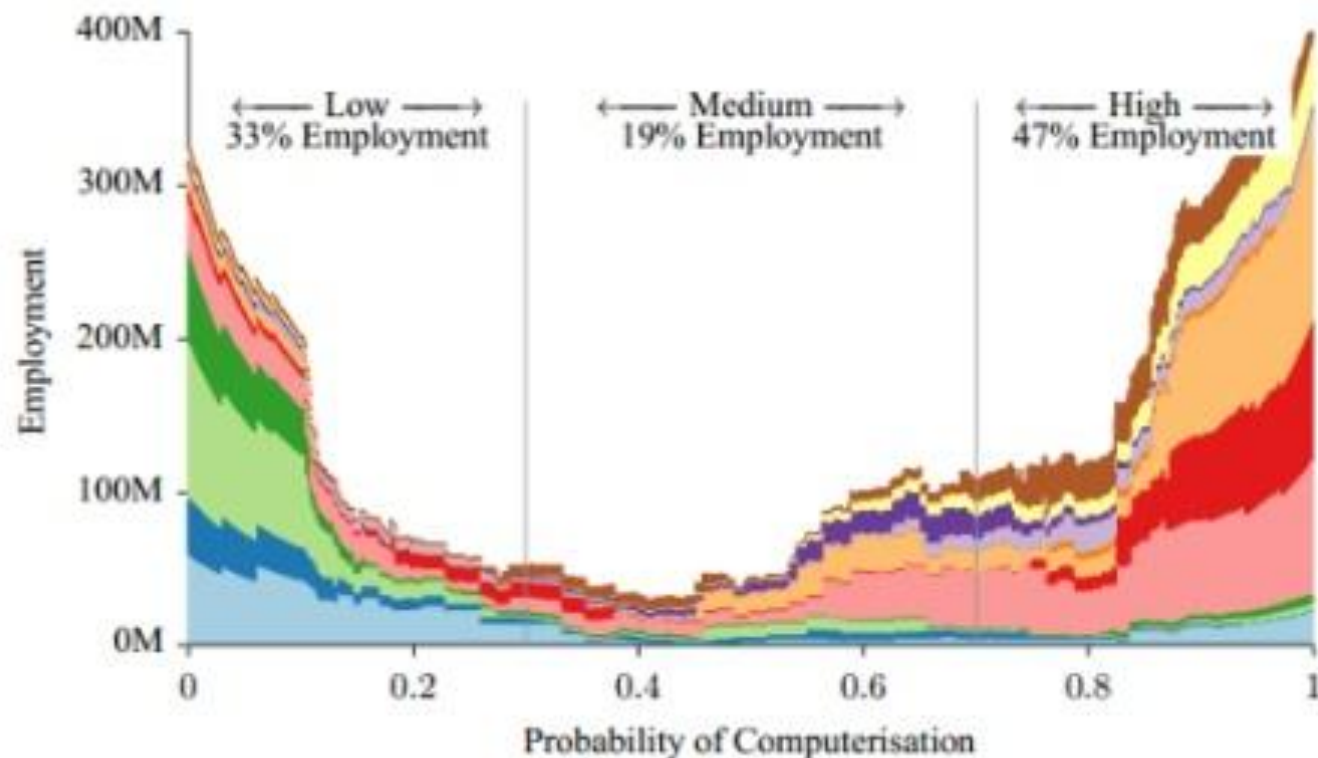
A Brilliant Double-Decker Armrest That Would Make Flying Less Hellish



Why the New Obamacare Website Is Going to



# Vanishing jobs:



## Computerizable Jobs

Select occupations ranked according to their probability of becoming automatable.

Position	Probability of automation
Loan Officers	98%
Receptionists and Information Clerks	96%
Paralegals and Legal Assistants	94%
Retail Salespersons	92%
Taxi Drivers and Chauffeurs	89%
Security Guards	84%
Cooks, Fast Food	81%
Bartenders	77%
Personal Financial Advisors	58%
Computer Programmers	48%
Reporters and Correspondents	11%
Musicians and Singers	7.4%
Lawyers	3.5%
Elementary School Teachers	0.4%
Physicians and Surgeons	0.4%

## Inside Health Care

Even within the health care industry, some roles are more susceptible to automation than others.

Dietitians	Epidemiologists	Medical secretaries	Medical records technicians
0.4%	20%	81%	91%

## Bottlenecks to Computers

Machines are unable to match humans in tasks that require social and creative skills and in jobs that require dexterity or getting into cramped spaces. Some examples of occupations that have low probabilities of automation in the near future.

### 1. Manipulation



Oral surgeons	0.36%
Makeup artists	1%
Chiropractors	2.7%
Fire fighters	17%

### 2. Creativity



Choreographers	0.4%
Curators	0.7%
Art directors	2.3%

### 3. Social Perception



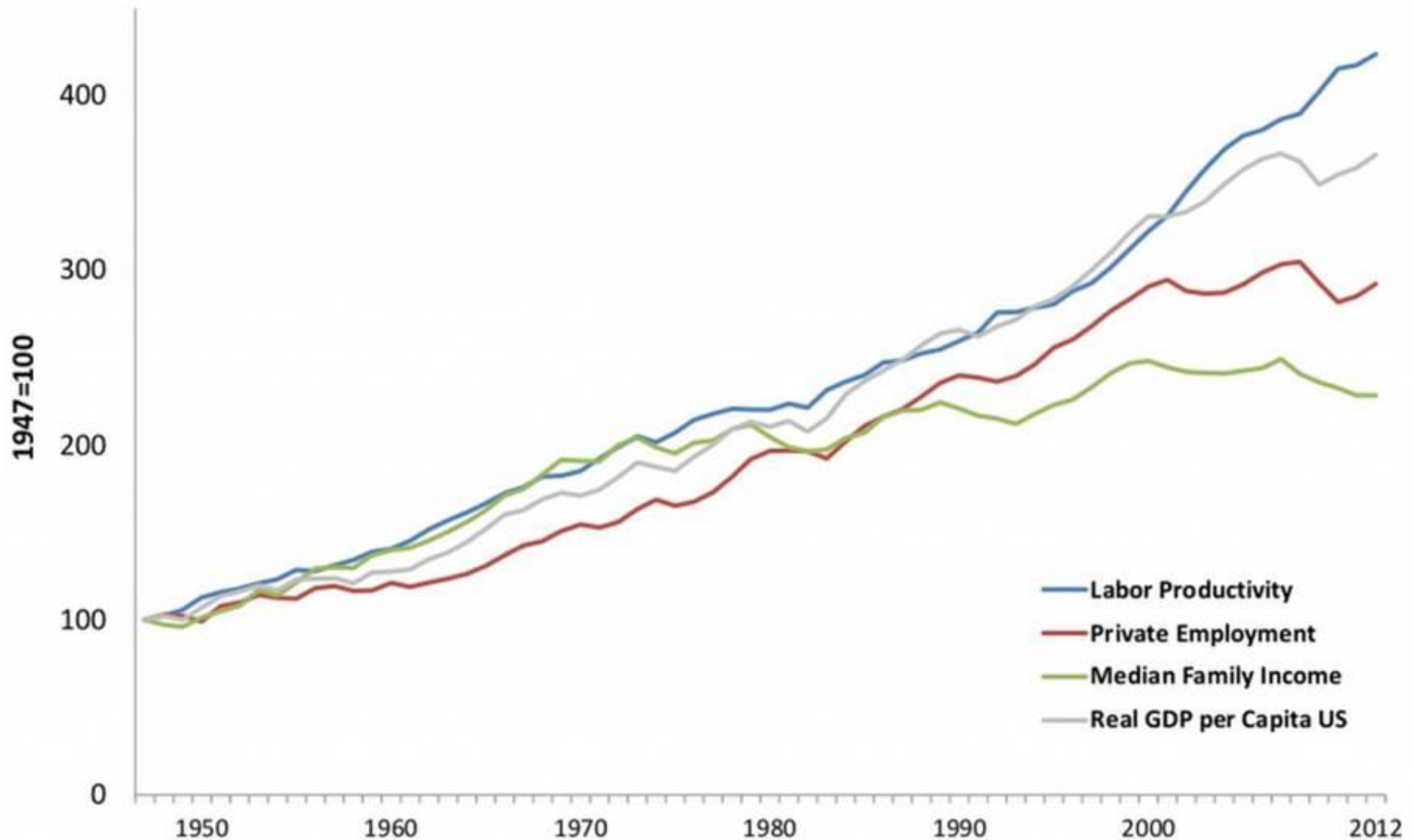
Mental health workers	0.3%
Clergy	0.8%
Nurses	0.9%
Coaches and scouts	1.3%



<b>Job</b>	<b>Probability</b>
Recreational therapists	0.003
Dentists	0.004
Athletic trainers	0.007
Clergy	0.008
Chemical engineers	0.02
Editors	0.06
Firefighters	0.17
Actors	0.37
Health technologists	0.40
Economists	0.43
Commercial pilots	0.55
Machinists	0.65
Word processors and typists	0.81
Real estate sales agents	0.86
Technical writers	0.89
Retail salespersons	0.92
Accountants and auditors	0.94
Telemarketers	0.99

# The Great Decoupling

US Productivity, Real GDP per capita, Employment and Income: 1947-2012





# **Parte 2:**

# **Cómo estamos**

# **reaccionando?**







Translate

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English

Spanish

Detect language

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Spanish

English

Arabic

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Translate

Soy el nuevo traductor

×

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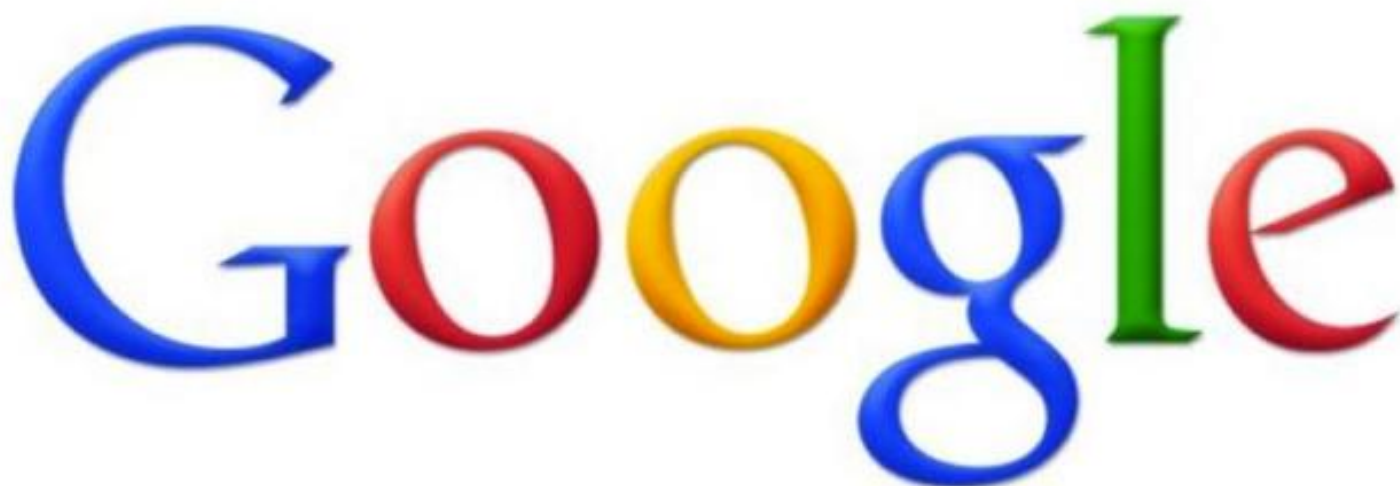
I am the new translator

[TECH / SCI](#)[INTERNET](#)

## Google Voice Translation: Latest Google X 'Moon Shot' Program Can Already Translate 24 Languages

By *Ryan W. Neal*

on September 17 2013 1:48 PM

[f 42](#)[32](#)[in 24](#)[g+](#)[more](#)The Google logo is displayed in its characteristic multi-colored font, with each letter having a 3D effect and a slight shadow. The letters are blue, red, yellow, blue, green, and red from left to right.



Tech

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# Microsoft Unveils Real-Time Speech Translation for Skype

2.2k  
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WHAT'S THIS?



Walt Mossberg and Microsoft CEO Satya Nadella at the Code Conference

IMAGE: MASHABLE, LANCE ULANOFF

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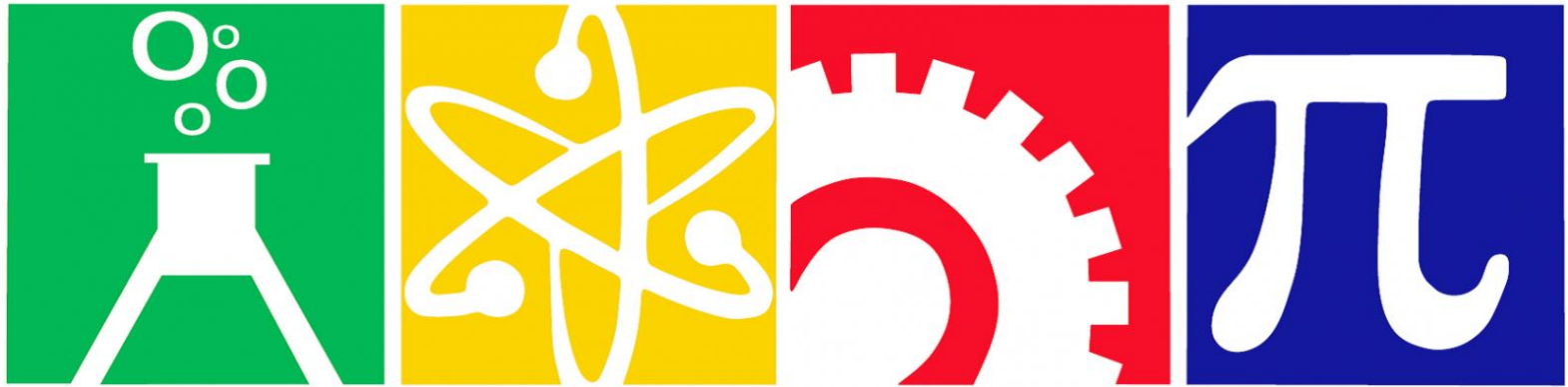
Canada





# Traductorado Público RESISTE





**STEM** Science, Technology,  
Engineering, Mathematics



Carrera	Graduados (K)
Economía y Administración	21.1

Carrera	Graduados (K)
Económicas	21.1
Derecho	13.5

Carrera	Graduados (K)
Económicas	21.1
Derecho	13.5
Enfermería	7.3



<b>Carrera</b>	<b>Graduados (K)</b>
Económicas	21.1
Derecho	13.5
Enfermería	7.3
Arquitectura	6.1
Psicología	5.6
Educación	5.1
Medicina	5.0
....	

<b>Carrera</b>	<b>Graduados (K)</b>
Económicas	21.1
Derecho	13.5
Enfermería	7.3
Arquitectura	6.1
Psicología	5.6
Educación	5.1
Medicina	5.0
....	
Ingeniería (todas!)	4.6
Informática	4.2

<b>Carrera</b>	<b>Graduados (K)</b>
Económicas	21.1
Derecho	13.5
Enfermería	7.3
Arquitectura	6.1
Psicología	5.6
Educación	5.1
Medicina	5.0
....	
Ingeniería (todas!)	4.6
Informática	4.2
Biología	1.3



<b>Carrera</b>	<b>Graduados (K)</b>
Económicas	21.1
Derecho	13.5
Enfermería	7.3
Arquitectura	6.1
Psicología	5.6
Educación	5.1
Medicina	5.0
....	
Ingeniería (todas!)	4.6
Informática	4.2
Biología	1.3
Matemática	0.4
Física	0.1
Estadística	0.02

**Parte 3:**

**¿Qué podemos hacer?**

**Algunas ideas locas...**



**Trabajar menos**

## Reduce working week to 30 hours, say economists

A shorter working week would make us healthier, give us more fulfilling and sustainable lives and be better for the environment, economists have suggested.



12K



873



5



306



13K



Email



# Reduce the Workweek to 30 Hours



*[Anna Coote](#) is head of social policy at the New Economics Foundation in London. She is a co-editor of "[Time on Our Side](#)" and co-author of "[21 Hours](#)."*

UPDATED JANUARY 13, 2015, 12:01 PM

We used to send children down mines, sack women when they got married and expect workers to put in 12-hour day, six days a week. For more than 200 years, we have associated better working conditions and shorter hours with human progress. An average workweek of 40 hours nowadays looks old fashioned and backward.

We need a slow but steady [move toward a 30-hour week](#) for all workers. This will help solve a lot of connected problems: overwork, unemployment, overconsumption, high carbon emissions, low well-

---

*Workers on shorter hours are under less*

**Redefinir nuestra identidad**





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# Employers Everywhere Are Worrying About Millennial Commitment Issues



Vivian Giang

Mar. 20, 2012, 6:37 PM

4,579

22



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PRINT

Despite high unemployment, companies are having a hard time reeling in and hanging on to young talent.

According to a [survey by Price Waterhouse Coopers](#), 50 percent of more than 1,200 CEOs from 60 countries are concerned that they won't be able to sufficiently "attract the digitally adept 'Millennial' generation" because these workers simply don't stay with the companies long enough.



**¿¿¿No trabajar???**

*“Si cada instrumento pudiese, en virtud de una orden recibida o, si se quiere, adivinada, trabajar por sí mismo... si las lanzaderas tejiesen por sí mismas; si el arco tocase solo la cítara; ... los empresarios prescindirían de los operarios y los señores de los esclavos.”*

Aristóteles, Política, 350 a. C.



**El verdadero desacople**

POLITICS

# The Conservative Case for a Guaranteed Basic Income

Creating a wage floor is an effective way to fight poverty—and it would reduce government spending and intrusion.



## NEWS

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# Swiss to vote on incomes for all - working or not

By Imogen Foulkes  
BBC News, Bern

🕒 18 December 2013 | [Business](#)



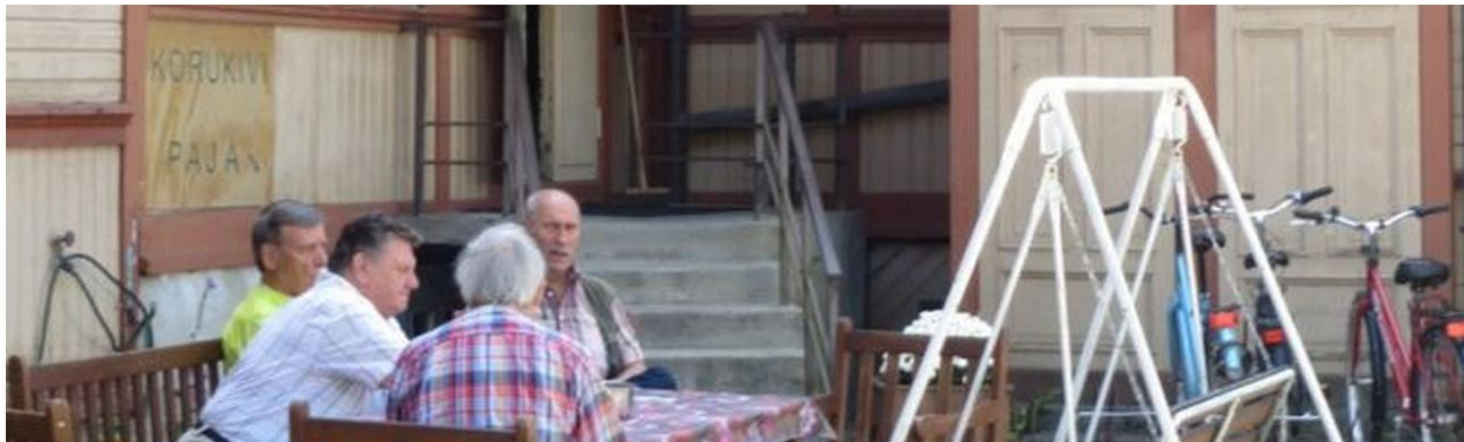
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# Finland considers basic income to reform welfare system

By Maija Unkuri  
Helsinki

🕒 20 August 2015 | [Europe](#)





**Parte 4:**

**¿Y nosotros**

**qué hacemos?**

**Prospektiva**

# Lavaderos de autos, enojados con los errores del pronóstico del tiempo

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Vota ★★★★★ 1 voto

✉

A- A+

🖨

La Cámara Argentina de Lavaderos de Automotores se quejó por la **cantidad de errores** que comete el Servicio Meteorológico en relación a la caída de tormentas y granizo que "no ocurren" y que **"ahuyentan clientes"**



Durante los últimos meses, los informes emitidos por el **Servicio Meteorológico Nacional** vienen incurriendo en varias **inexactitudes** a la hora de pronosticar lluvias.

## NOTICIAS RELACIONADAS

Pronostican lluvias durante todo el día en Capital

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Tarde/Noche		Mañana	Tarde/Noche
			
<b>Temp 21 hs: 12 °C</b>		<b>Mín: 7 °C / 5 °C (*)</b>	<b>Máx: 18 °C</b>
Cielo despejado o algo nublado. Vientos leves del sector sur.		Neblinas y bancos de niebla. Cielo algo a parcialmente nublado. Vientos leves del noreste.	Cielo parcial a algo nublado. Vientos leves del sector norte.
		<b>ISUV:</b> Bajo.	

Miércoles		Jueves		Viernes	
					
Mañana	Tarde/Noche	Mañana	Tarde/Noche	Mañana	Tarde/Noche
<b>Mín: 11 °C</b>	<b>Máx: 19 °C</b>	<b>Mín: 13 °C</b>	<b>Máx: 20 °C</b>	<b>Mín: 13 °C</b>	<b>Máx: 18 °C</b>
Cielo algo nublado. Vientos leves del sector norte.	Cielo algo nublado. Vientos leves a moderados del sector norte.	Cielo algo a parcialmente nublado. Vientos moderados del sector norte con algunas rafagas.	Cielo parcialmente nublado a nublado. Tiempo desmejorando. Vientos moderados a leves del sector norte.	Nubosidad variable. Tiempo inestable. Vientos leves del noroeste.	Nubosidad variable. Vientos leves del sector sur.



**“Las mismas recetas que  
nos trajeron con éxito  
hasta aquí no sirven  
para encarar lo que viene!”**

**Coraje**



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5 August 2013 Last updated at 19:50 GMT



# World's first lab-grown burger is eaten in London

COMMENTS (432)



Food critics give their verdict on the burger's taste and texture

The world's first lab-grown burger has been cooked and eaten at a news conference in London.

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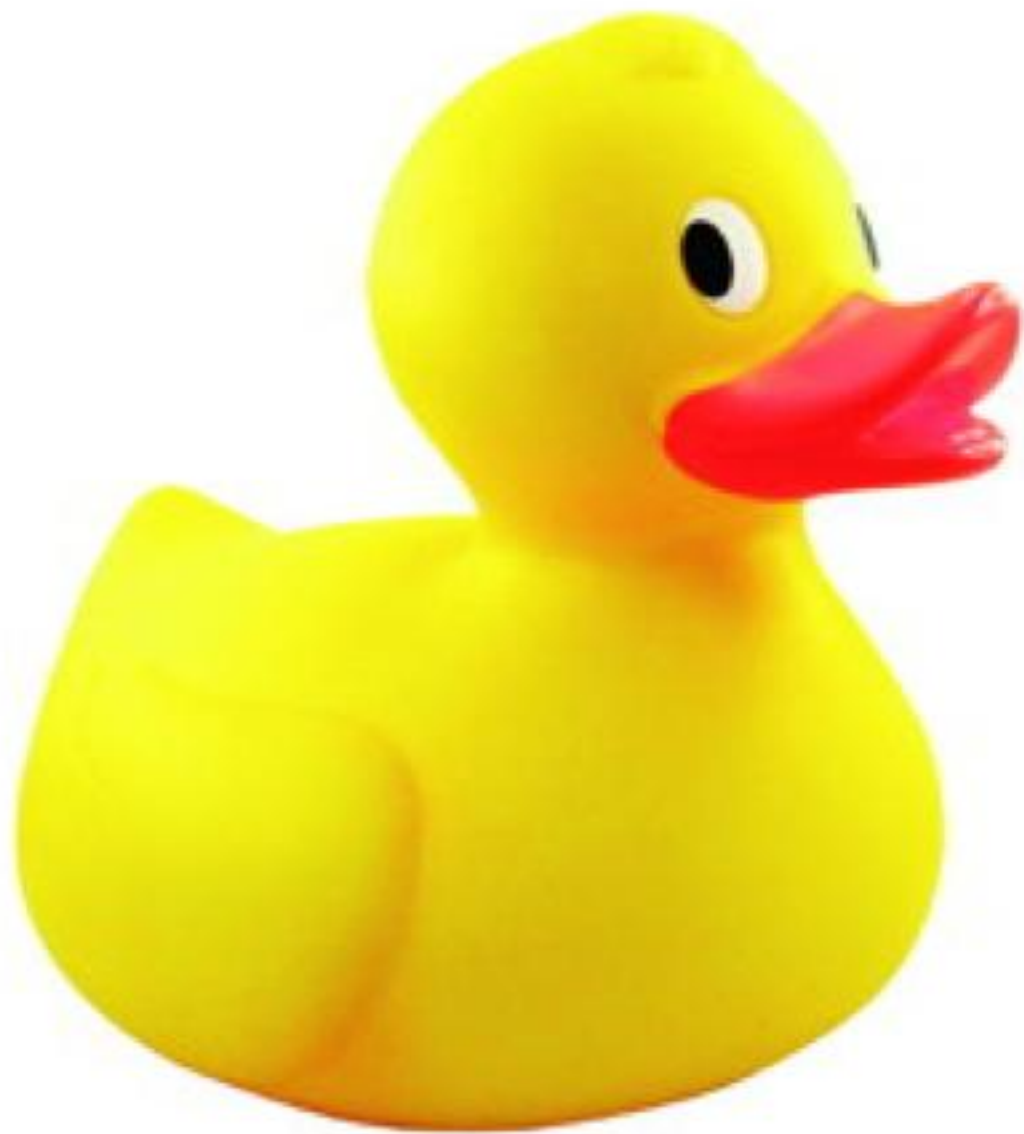


Our food program is  
developing cultured  
products of the highest  
quality in close  
collaboration with  
renowned chefs.



**“Hay que atreverse a  
matar tu propio modelo de  
negocio iporque si no,  
lo va a hacer otro!”**

**Experimentación**





**Liderar la innovación**

**“La resistencia al cambio  
es parte inseparable de lo  
que somos. ¡Vencerla  
requiere mucho esfuerzo!”**

**Empatía**

**John Maynard Keynes,**  
***Economic Possibilities for our***  
***Grandchildren***  
**(1930)\***

**I**

We are suffering just now from a bad attack of economic pessimism. It is common to hear people say that the epoch of enormous economic progress which characterised the nineteenth century is over; that the rapid improvement in the standard of life is now going to slow down --at any rate in Great Britain; that a decline in prosperity is more likely than an improvement in the decade which lies ahead of us.

I believe that this is a wildly mistaken interpretation of what is happening to us. We are suffering, not from the rheumatics of old age, but from the growing-pains of over-rapid changes, from the painfulness of readjustment between one economic period and another. The increase of technical efficiency has been taking place faster than we can deal with the problem of labour absorption; the improvement in the standard of life has been a little too quick.