

# Debunking Technology Trend Myths



Gerhard Botha

Head of Group Architecture

Aug 2018



# Contents



- **Disclaimer**
- **Technology Trends & Myths**
- **Last Thoughts On The Future**
- **Questions**

# Disclaimer



**"Those who have knowledge, don't predict. Those who predict, don't have knowledge. "**

-Lao Tzu, 6th Century BC Chinese Poet

**"Wall Street indices predicted nine out of the last five recessions ! "**

-Paul A. Samuelson in Newsweek, Science and Stocks, 19 Sep. 1966.

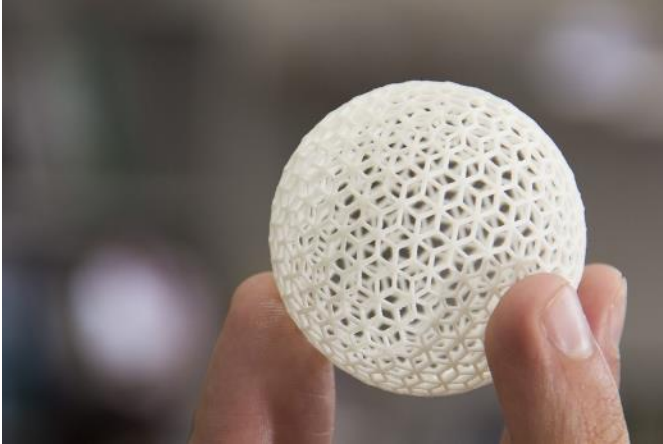
**"If you can predict more than 5 years into the future, you have the wrong job and you are not being paid enough."**

-G. Botha

**"My interest is in the future because I am going to spend the rest of my life there. "**

-C.F. Kettering

# 3D Printing (at Home)





## **3D Printing is slow**

Printing anything on a 3D printer is very slow

## **3D Printing is expensive**

It cost too much to practically print anything on a 3D printer



## **3D Printing is only for plastics**

You can only use cheap plastics to print

## **3D Printing is for everything**

Why don't we just 3D print everything?



## **3D Printing will replace manufacturing**

Everyone will print everything they need in their own home.



**There is no cloud**  
it's just someone else's computer



## Cloud provides economies of scale

Companies should migrate to cloud at scale in order to obtain maximum economies of scale.

**Everything will move to the cloud**  
All IT systems will eventually move to the cloud.



## Cloud is cheaper

The cloud is cheaper than running applications on-premises.

## Cloud is more, or less, secure

The cloud is not as secure and you should not put sensitive data there.  
The cloud is more secure than our internal networks.



## Cloud is faster and more agile

Cloud enables speed and agility and lets you deliver faster.



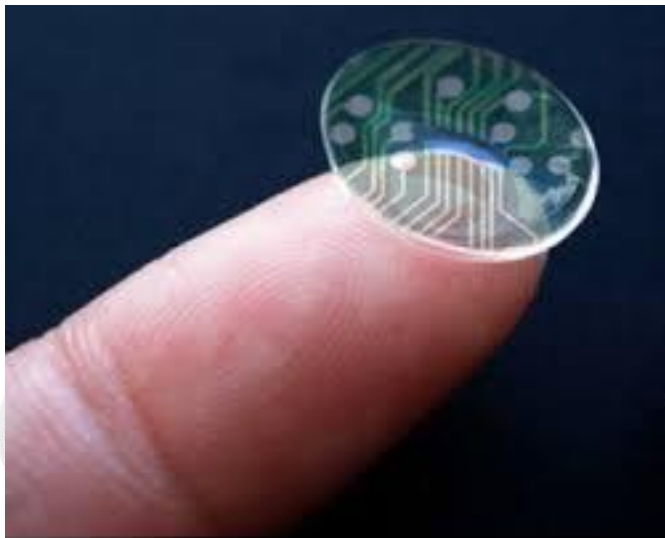
# Augmented and Virtual Reality



[www.magicleap.com](http://www.magicleap.com)



[www.sony.com](http://www.sony.com)



[www.engadget.com](http://www.engadget.com)



[www.cisco.com](http://www.cisco.com)





## “Ready Player One”

We are all going to end up as zombies in a virtual world

## It has limited practical uses

It is just a gimmick and we will get past this.



## It will make you sick

The cloud is cheaper than running applications on-premises.

## We will become even more anti-social

Look at how anti-social we have become with just phones



## AR/VR is easy to do

You just buy the goggles and off you go.

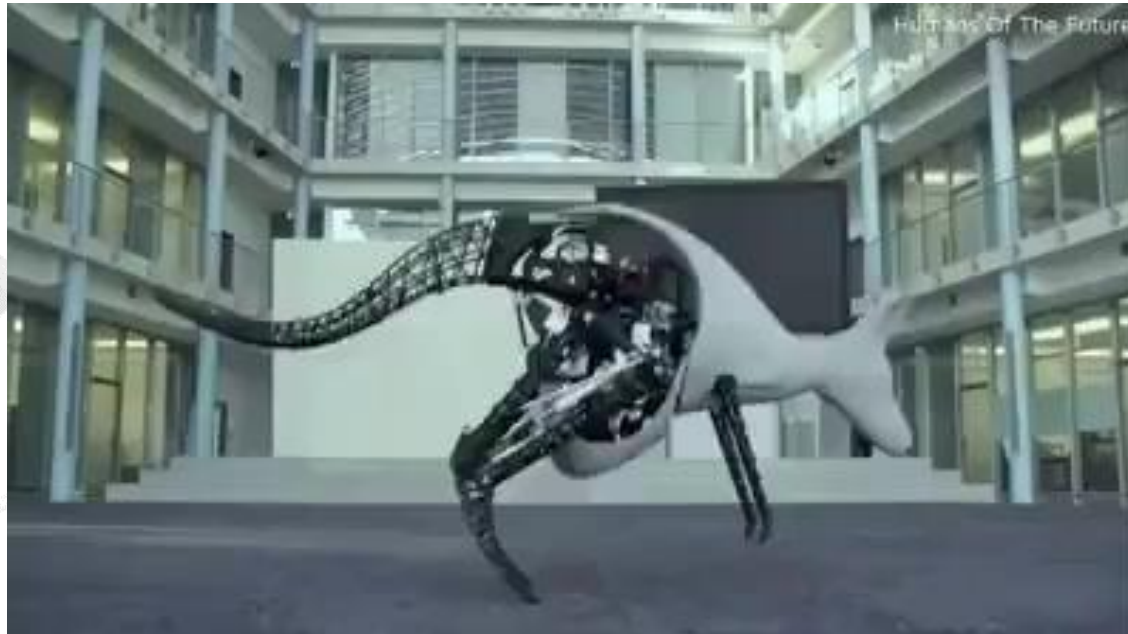
# Robotic Assistants



*Sota, Pepper and Jibo*  
[www.globalconstructionreview.com](http://www.globalconstructionreview.com)



[www.pixabay.com](http://www.pixabay.com)





## Robots reduce jobs

Robots are taking our jobs

## Robots will look like us

Robots will look like humans with a head, hands and feet



## The terminator is coming

Robots will take over the world

## Robots have feelings

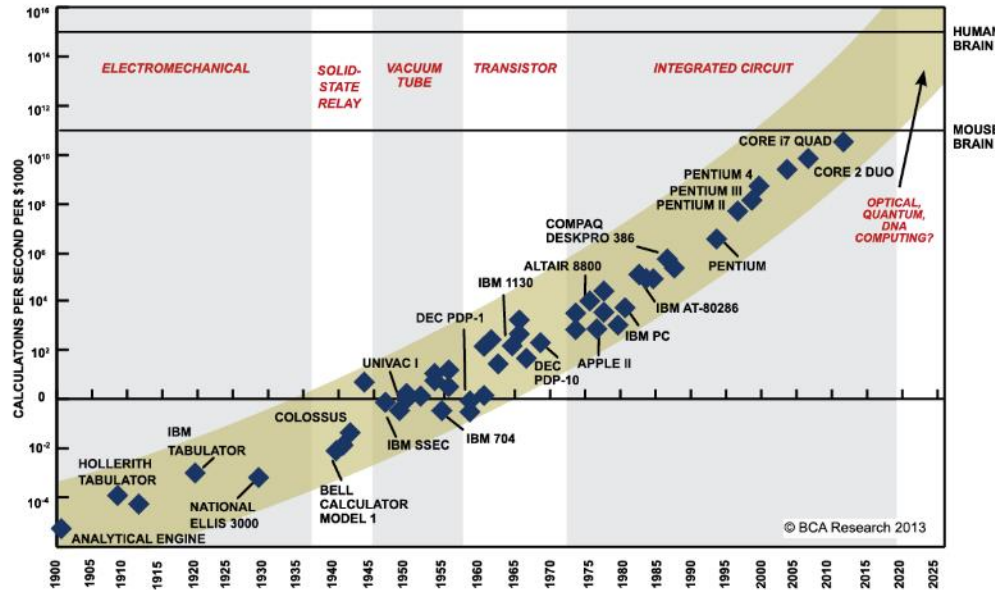
Robots feel bad when we are rude to them



## Robots will communicate like us

We will be able to understand what robots say to each other

# Artificial Intelligence



SOURCE: RAY KURZWEIL, "THE SINGULARITY IS NEAR: WHEN HUMANS TRANSCEND BIOLOGY", P.67, THE VIKING PRESS, 2006. DATAPPOINTS BETWEEN 2000 AND 2012 REPRESENT BCA ESTIMATES.

2018: 2 year old

2030: 16 year old

2037: University graduate



## AI is magic

AI works like magic. You just give it data and it knows stuff

## AI is evil

AI will try to take over the world



## AI will never be able to control humans

Robots will take over the world

## Super intelligence is coming

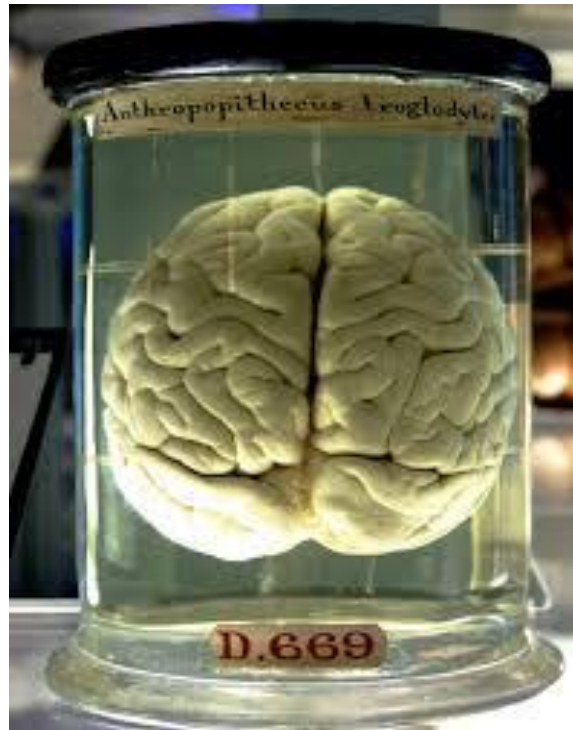
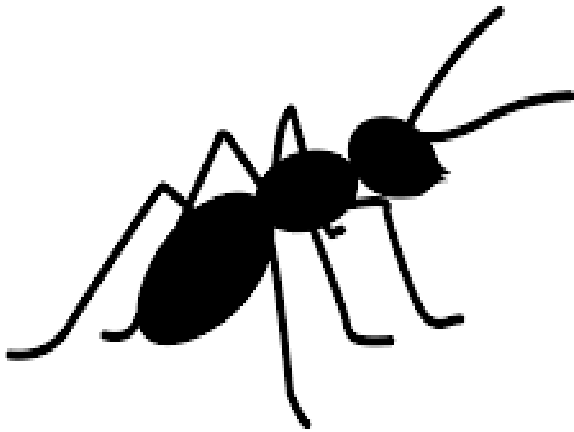
AI will be smarter than us



## AI is safe

We will be able to understand what robots say to each other

# Last Thoughts on the Future





Thank you



**Questions?**