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Internet of ‘Mysterious’ Things



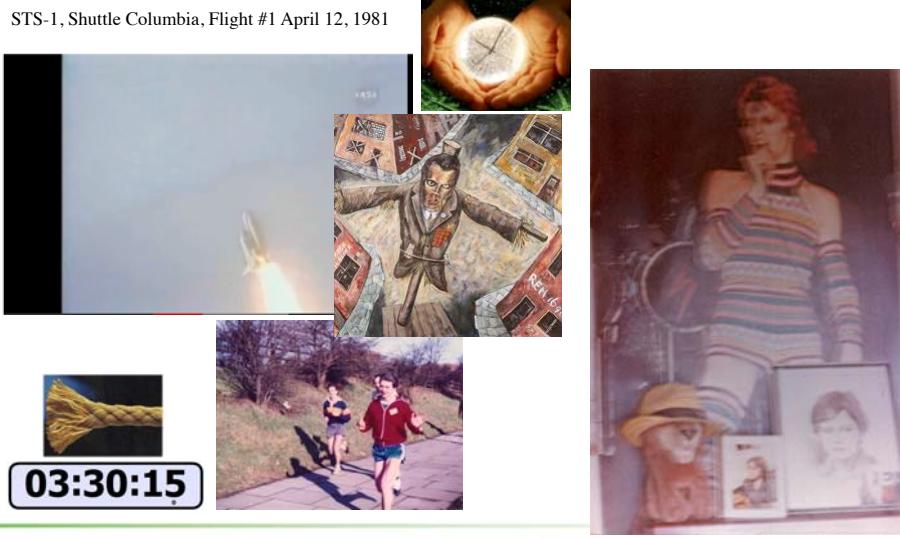
Paul McCullagh
Smart Environments Research Group
Computer Science Research Institute

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30 years.....

STS-1, Shuttle Columbia, Flight #1 April 12, 1981



03:30:15

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A marathon at your age?



*"In the event that this fantastic voyage
should turn to erosion and we never get old"*

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Technology Advances Rapidly

- 
- 
- 

- **1983** - Apple starts selling the "Lisa," a desktop computer for businesses with a graphical user interface. A year earlier, Jobs was booted from the Lisa project -- so he started working on the Macintosh.
- **1984** - Apple debuts the Macintosh personal computer. It is hyped with a dark, stylized commercial in which a lone "heroine" takes on "Big Brother" characters that are reminiscent of those in George Orwell's novel "1984" -- a metaphor for IBM. Directed by "Alien" and "Blade Runner" filmmaker Ridley Scott, the ad airs just once nationally, during the Super Bowl.
- **1991** - Apple introduces the Powerbook 100, its first hit portable computer.
- **1993** - The Newton Message Pad, Apple's first handheld device, debuts. The touchscreen device features many tools found in today's smartphones, such as an address book, a calendar and an e-mail function. It flops.
- **1997** - Apple co-founder Steve Jobs, who left in 1985 after a power struggle, is named interim CEO of the struggling company, which had racked up losses of more than \$1.8 billion in the previous two fiscal years.
- **November 1997** - Jobs introduces a new line of Macintosh computers, called G3. He also demonstrates a new Web site that will let people order machines directly from Apple.
- **1998** - Apple unveils the iMac desktop computer, boasting its simple setup and built for an Internet age.
- **2001** - Apple introduces the iPod, a palm-sized, hard-drive-based digital music player
- **2003** - iTunes Store opens - allows users to shop for music, audiobooks, movies, and TV shows for download over the Internet.
- **2005** - The iPod adds video, and Apple fills out its portable media line with the low-end iPod shuffle, and sleek iPod nano. (Through 2009, it sold more than 220 million iPods.)
- **January 2007** - Apple announces the iPhone. The device features one button on its smooth face and has a "virtual" keyboard. It also introduces Apple TV, considered one of Apple's lowlights.
- **September 2007** - Apple unveils the iPod Touch -- essentially an iPhone without the phone -- which has wireless capabilities and can perform much like a portable computer.
- **2008** - Apple opens the doors to the App Store as an update to iTunes. The store features small applications -- from games to social and business tools -- that add functions to the iPhone and iPod Touch. Apple also releases the Macbook Air, a slim portable computer.
- **2009** - Apple releases the iPhone 3GS.

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The Internet of 'Things'

During 2008, the number of things connected to the Internet exceeded the number of people on earth.

2003 2010 2015 By 2020 there will be 50 billion.

These things are not just smartphones and tablets. They're everythings. A Dutch startup, Sparked, is using wireless sensors on cattle.

So that when one is sick or pregnant, it sends a message to the farmer. Each cow transmits 200 mb of data per year.

We can monitor ourselves this way too. Converitus makes a wireless cardiac monitor that physicians can check for health risks.

And this is just the beginning.

These things are starting to talk to each other and develop their own intelligence. Imagine a scenario where...

- ...your meeting was pushed back 45 minutes.
- ...your car knows it will need gas to make it to the train station. Fill-ups usually take 5 minutes.
- ...your alarm clock which allows you 5 extra minutes of sleep.

VN ■ MAGEE

SCHWARZENEGGER
WHEN HUMANS TRANSCEND BIOLOGY
THE SINGULARITY IS NEAR
RAY KURZWEIL
author of THE AGE OF SPIRITUAL MACHINES

SCHWARZENEGGER
THE TERMINATOR
Arnold Schwarzenegger's 'The Terminator' (MGM Home Entertainment) stars Arnold Schwarzenegger as the Terminator, Michael Biehn as Little John and Paul Michael Glaser as the leader of the resistance. Directed by James Cameron. Executive Producers John Daly and Sean Shetter. Written by James Cameron with Gale Anne Hurd. Screenplay by Gale Anne Hurd. Story by James Cameron. Produced by Gale Anne Hurd. Directed by James Cameron.

Background

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Quality of Life

Cost of Care / Day

Setting	Cost of Care / Day	Quality of Life
Personal telehealth	\$1 - \$100	High Quality of Life
Residential Care	\$100 - \$1,000	Medium Quality of Life
Acute Care	\$1,000 - \$10,000	Low Quality of Life

Kathleen Casey-Kirschling

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Statistics on Obesity, Physical Activity and Diet: England, 2011

Year	Billions of people
1940	0.1
1960	0.3
1980	0.8
1995	1.2
2004	1.8
2005	2.1
2010	2.8

Reprinted from The Funny Times / PO Box 18830 / Cleveland Heights, OH 44118
phone: (216) 371-8600 / e-mail: fb@funnytimes.com

- quarter of adults (22% of men and 24% of women aged >16) were classified as **obese** ($\text{BMI } 30\text{kg/m}^2$ or over).
- more men than women (44% vs 33%) were classified as **overweight** in 2009 ($\text{BMI } 25 \rightarrow 30\text{kg/m}^2$).
- almost a quarter of adults (24.3% of respondents) reported that they had taken part in **sport** on 11 to 28 days within a four week period.
- among adults aged >16, overweight or obese men and women were more likely to have **high blood pressure** than those in the normal weight group; high blood pressure was recorded in 48% of men and 46% of women in the obese group, compared with 32% of overweight men and women and 17% of men and women in the normal weight group.

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Ray Kurzweil's Plan: Never Die

Kristen Philipkoski 11.18.02

NEWPORT BEACH, California -- live forever.

No, not just in the history books, I happen to die, he'll have his body late baseball Hall of Famer Ted W reanimate him has been developed.

At 35, Kurzweil was diagnosed with type 1 diabetes and stopped taking insulin injections a shows no signs of the disease.

He plans to outwit the medical establishment.

Taking a break from the Alcor Extreme Life Extension Conference in Newport Beach, Kurzweil laid out his personal plan for eternal life.

Wired News: When do you believe we will have the ability to unfreeze people to life?

Biotechnology Will Stop Aging

FANTASTIC VOYAGE

LIVE LONG ENOUGH TO LIVE FOREVER

RAY KURZWEIL
TERRY GROSSMAN
M.D.

University of ULSTER

Wearable Computing

Courtesy: Design for Ageing Well

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Self Management

Courtesy: SMART2

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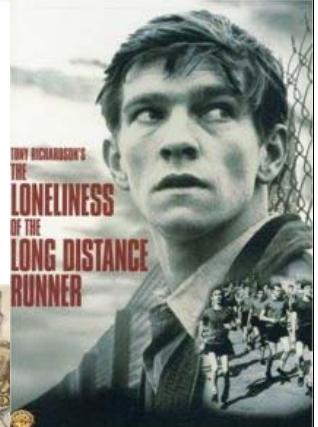
Alone in.....

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Hans Fallada's anti-Nazi classic becomes surprise UK bestseller
First English translation of novel about Gestapo hunt for German couple who defied Hitler enjoys record sales

Dalya Alberge
The Observer, Sunday 23 May 2010
Article history



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Ambient Assisted Technology






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Motivation

The screenshot shows a fitness tracking interface. At the top, there are four icons: a running shoe, a runner, a smartphone, and a Nike+ FuelBand. Below these are navigation links: SEARCH, FILTER BY TIME, SHOP, HIKE!, TRAINING, EVENTS, NEWS, SUPPORT, and NIKE+. A sidebar on the left lists Home, Runs, Goals, Challenges, Events, Maps, and Forums. The main area displays a bar chart of 136 workouts from November 27, 2010, to June 15, 2011. Key statistics shown are 110:22:28 duration, 782.88 miles, 08'28" mi, and 90093 steps. To the right is a colorful network graph titled "The Connected Athlete" with various nodes representing different aspects of fitness and technology.

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'Ich bin ein Berliner'

The map shows the route of the 38. Berlin Marathon on September 25, 2011. The route starts in Zehlendorf and follows a winding path through Wilmersdorf, Steglitz, Schöneberg, Kreuzberg, Mitte, and Charlottenburg, ending in Moabit. Refreshment stations (EP) and catering points (VP) are marked along the route. An inset photo shows John F. Kennedy giving his famous speech "Ich bin ein Berliner" at the Brandenburg Gate. The map also includes a legend for kilometers, refreshment stations, and catering points, and a note about the race's history.

Streckenplan - course map - Carte du parcours

- 1 Kilometer
- EP Erfrischungsstation - water only
- Point de rafraîchissement - eau seulement
- VP Cateringstation - Getränke und Snack
- VP Point de ravitaillement - boissons et fruits

Streckenführung der Läufer / Walker / Rollstuhlfahrer am 25. September 2011
Course direction of the runners / walkers / wheelchair users on September 25, 2011
Visite du parcours des coureurs / piétons / fauteuils roulant / handbilleurs le 25 septembre 2011

SCC | EVENTS

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**real-
BERLIN
MARATHON**



SEP 25





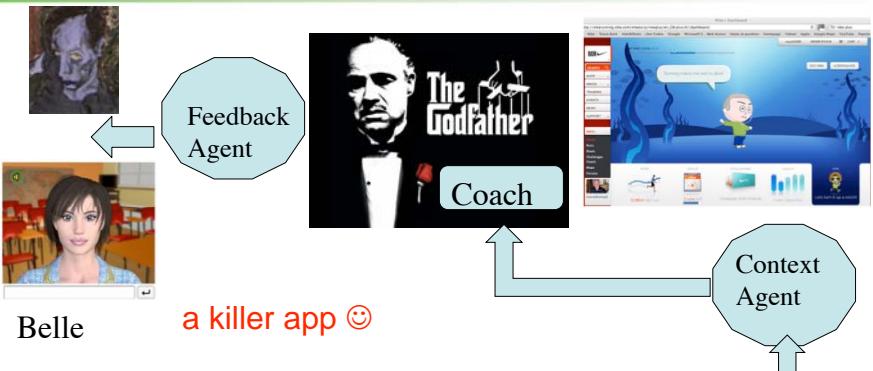
2. 15.25

"If it were done when 'tis done, then 'twere well it were done quickly"

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A Multi Agent System



Belle

a killer app ☺

Feedback Agent

Coach

Context Agent

Stress Agent

Pace Agent

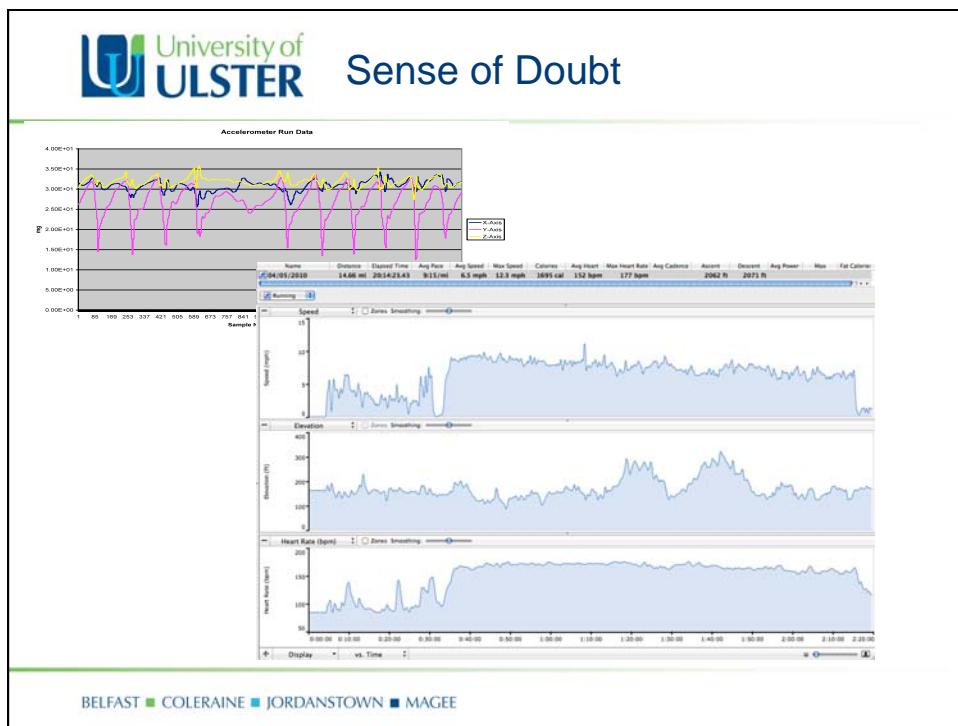
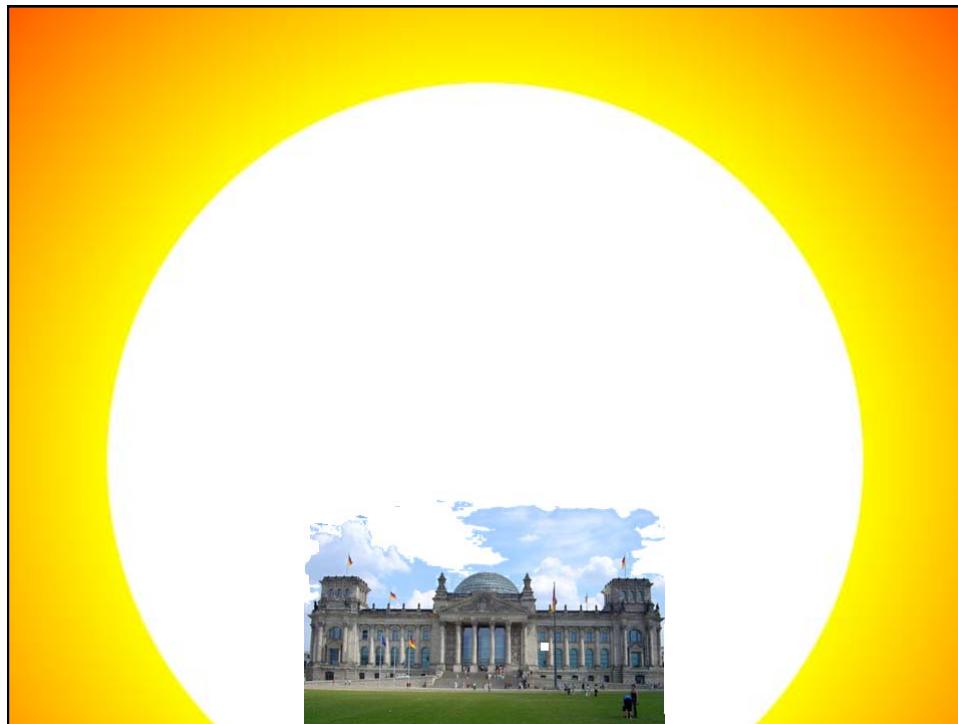
Heart Rate Agent

Breathing Agent

GPS Agent

Body Temp Agent

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Stress Agent

a killer app 😊



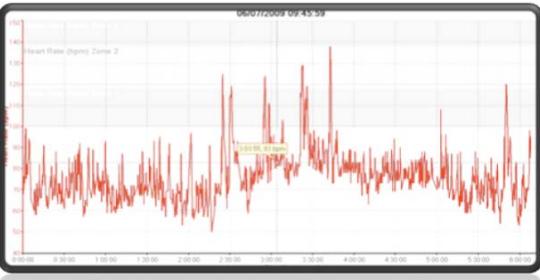


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Hitting an all time Low





"Get me to the doctor, get me off the streets (get some protection). Get me on my feet (get some direction)"

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Saved by the Belle

The image shows a composite of two diagrams. On the left is a photograph of the Arianne 5 rocket launching from Kourou, French Guiana. On the right is a schematic diagram titled 'THE LOSS OF EUROPE'S ARIANE 5 SUPER ROCKET' showing the rocket's trajectory. The diagram includes a map of South America and the Atlantic Ocean. It highlights five key events: 1.2221 SHPT Ariane 5 takes off from Kourou, 2.2223 Solid fuel boosters separate, 3.2224 Rocket fails to achieve desired orbital altitude, 4.2225 Self destruct mechanism destroys rocket, and 5. Two satellites are lost at sea.

Arianne 5 Rocket : 4 June 1996

'Error: Connection unavailable'

"Sons of the silent Age Listen to tracks by Sam Therapy and King Dice".

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'Heroes'

The image contains three photographs. The top left is a movie poster for 'Christiane F.' showing a woman in a striped shirt. The top middle is a photograph of the Berlin Wall with soldiers standing behind sandbags, one holding an American flag and another a Soviet flag. The top right is a woman looking out of a window. The bottom image is a large crowd of people running in a marathon or race in front of the Brandenburg Gate in Berlin.

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30 years of technology

Atlantis – 21 July 2011

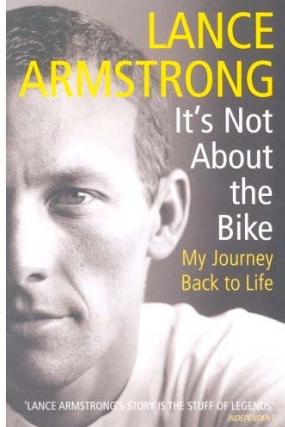


The shuttle has landed!

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Some Thoughts on this 'Fantastic Voyage'



"LANCE ARMSTRONG'S STORY IS THE STUFF OF LEGENDS"
INDEPENDENT



"Do not go gentle into that good night, Old age should burn and rage at close of day; Rage, rage against the dying of the light."
Dylan Thomas

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South Eastern Trust

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