

Priorities for Standardisation of Accessible User Interfaces
19 January 2012

Accessibility of Future Mobile Interfaces

Dr Mike Short
Telefónica Europe

+

**President, Institution of Engineering and
Technology**

president@theiet.org

Ten 100-year predictions that came true:

In 1900, an American civil engineer called John Elfreth Watkins made a number of predictions about what the world would be like in 2000.

- **Digital colour photography**-*Photographs will be telegraphed from any distance. If there be a battle in China a hundred years hence, snapshots of its most striking events will be published in the newspapers an hour later.... photographs will reproduce all of nature's colours.*"
- **Mobile phones**-*"Wireless telephone and telegraph circuits will span the world. A husband in the middle of the Atlantic will be able to converse with his wife sitting in her boudoir in Chicago. We will be able to telephone to China quite as readily as we now talk from New York to Brooklyn."*
- **Pre-prepared meals**-*"Ready-cooked meals will be bought from establishment similar to our bakeries of today."*
- **Hothouse vegetables**-*Vegetables will be bathed in powerful electric light, serving, like sunlight, to hasten their growth. Electric currents applied to the soil will make valuable plants to grow larger and faster, and will kill troublesome weeds. Rays of coloured light will hasten the growth of many plants. Electricity applied to garden seeds will make them sprout and develop unusually early."*
- **Television**- *"Man will see around the world. Persons and things of all kinds will be brought within focus of cameras connected electrically with screens at opposite ends of circuits, thousands of miles at a span."*
- **Tanks**- *Huge forts on wheels will dash across open spaces at the speed of express trains of today."*
- **Bigger fruit**- *"Strawberries as large as apples will be eaten by our great-great-grandchildren."*
- **The Acela Express** *"Trains will run two miles a minute normally. Express trains one hundred and fifty miles per hour."*
- **Slowing population growth** - *"There will probably be from 350,000,000 to 500,000,000 people in America [the US]." (Actual circa 280m at 2000)*
- **The rising height of Americans** - *"Americans will be taller by from one to two inches."*

TELEFÓNICA UK approach

- <http://www.02.co.uk/accessforall>

Inclusion



Hearing



Vision



Speech



Dexterity



Cognition



<http://www.mobileaccessibility.info/>

Sources of information

- <http://portal.etsi.org/portal/server.pt/community/HF/311>
- www.gsmworld.com
- www.mmfai.org/public/
- www.mobileaccessibility.info/
- www.bluetooth.com/pages/product-directory.aspx
- <http://www.umts-forum.org/>

BREAKFAST HOSTED BY **ÁDÁMKÓSA** MEP

“START YOUR DAY WITH MOBILE ACCESSIBILITY”

08.30–09.30, OCTOBER 5th, 2011

IN COOPERATION WITH MOBILE
MANUFACTURERS FORUM (MMF)

IN THE EUROPEAN
PARLIAMENT IN BRUSSELS,
MEMBERS' SALON



Mobile Manufacturers Forum

Diamant Building, 80 Blvd. A. Reyers
B-1030 Brussels Belgium
Email: enquiries@mmfai.org
Internet: www.mmfai.org



Contact and registration:

Mr Thomas Barmüller
Mobile: +43(664)3865123
Email: thomas.barmueller@mmfai.info



www.bluetooth.com/Pages/Health-Wellness-Market

Product Directory



www.bluetooth.com/Pages/Product-Directory

Worldwide device mix (%) 2010/2020

	2010	2020
Low end phones	76.6	17.2
Mid range smartphones	7.0	40.0
High end smartphones	12.4	20.5
Dongles	2.5	6.7
Connected devices	0.4	8.8
M2M	1.0	6.7
Total	100	100

Source: IDATE /UMTS Forum report 44

Monthly traffic mix - 2010/2015/2020 - world wide average (MB)

	2010	2015	2020
Low end phones	26	73	119
Mid range smartphones	44	338	665
High end smartphones	140	1020	1020
Dongles	775	2813	4850
Connected devices	48	568	1088
M2M	1	6	10

Source: IDATE /UMTS Forum report 44

The Three Wise Monkeys

‘Speak no evil, see no evil, hear no evil’





Olympic Park - Systems integration and telecommunications



Through the Learning Legacy project, the Olympic Delivery Authority is sharing the knowledge and the lessons learned from the construction of the Olympic Park.

Future ODA Learning Legacy Events

13 February | Environmental management on the Olympic Park

27 February | Lighting the Olympic Games

12 March | Utilities for the Olympic Park - Cutting carbon: district heating and efficient venues

www.london2012.com/learninglegacy

<http://www.theiet.org/policy/media/olympics/events.cfm>

Google | IET Engineering the Olympics

SUMMARY

- Predictions are tough but growth/innovation continues
- Accessibility is changing because of Mobile and the Internet
- Accessibility voice and real needs are not always clear in standards
- Silence is not inactivity