



# Towards a ubiquitous future limited only by our imagination

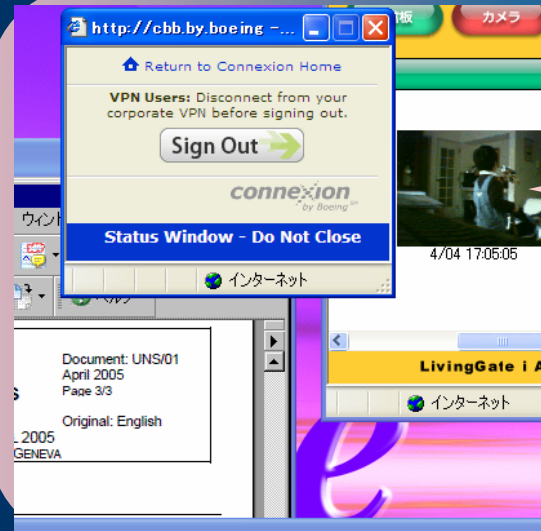
More Connectivity, More Reality and More Intelligence

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On the way here, 10,000 meters above Russia was an ubiquitous flight.

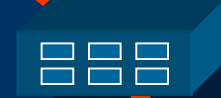


# The Ubiquitous Network from Supplier's Point of View

Information appliances  
Car navigation systems

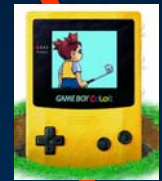


Set-top box  
home servers



**Broadband**  
FTTH, xDSL, CATV, FWA,  
3-G cellphones,  
Digital broadcasting, etc.

The Ubiquitous Network

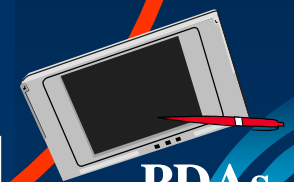


Video games

Cell phones



Multi-media kiosks



PDA's

Mobile PC



Servers



Electronic tag sensors /actuators



Web computing



CSS



MobilePC



Internet

Server



PC



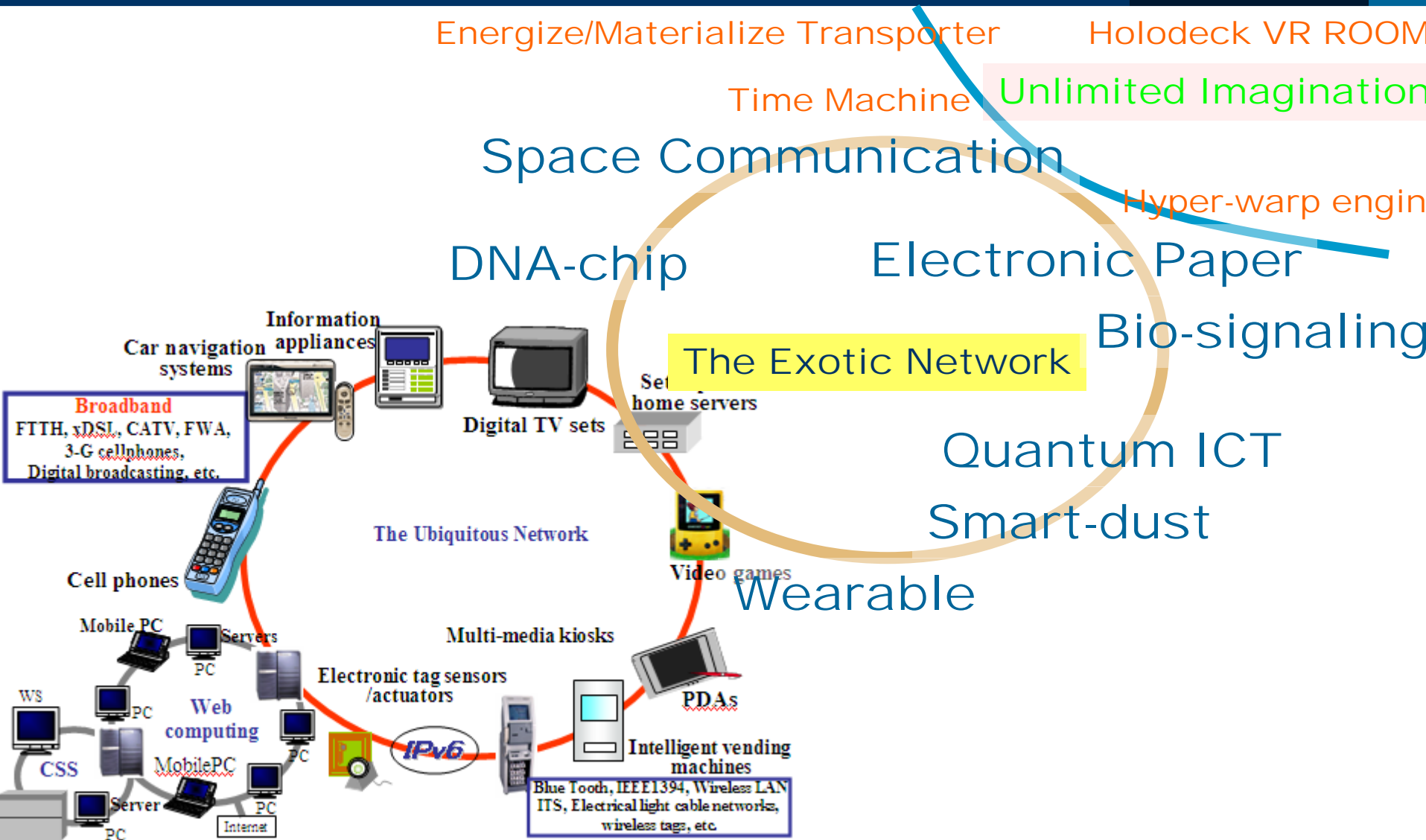
Blue Tooth, IEEE1394, Wireless LAN  
ITS, Electrical light cable networks,  
wireless tags, etc.



Intelligent vending machines

IPv6

# The World of the "Exotic Network"



# "Frontier Technologies" in the past

1. Embedded Wireless
2. SOC
3. Formal Verification
4. Synergy between Tech and Culture (e.g. storytelling)
5. Post-Silicon Computing (Bio-Quantum computing)
6. Is your Computer Alive? (Androids)
7. Nano-technology (or "molecular and quantum computing")
8. Mobile Computing
9. Pervasive Computing
10. Automatic Self-repair (reconfigurable)
11. Microscopic Systems
12. Replacing Paper
13. Sub-micron Machines
14. Semiformal and Formal Spec--integration
15. Hew HCI (voice control)
16. Human Informatics
17. Bio-informatics
18. Future Forums
- 19.

1. Life sciences, genomics and biotechnology for health
  - . Advanced genomics and its applications for health
  - . Combatting major diseases
2. Information Society technologies
3. Nanotechnologies and nano-sciences, knowledge-based multifunctional materials and new production processes and devices
4. Aeronautics and space
5. Food quality and safety
6. Sustainable development, global change and ecosystems
  - . Sustainable energy systems
  - . Sustainable surface transport
  - . Global change and ecosystems
7. Citizens and governance in a knowledge-based society
8. Specific activities covering a wider field of research

**SO MANY WORKS about the FUTURE**