Some emerging areas for new businesses

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Change

- Pace of change: Factor of 2 every 2 years (Moore’s Law)
  - But comms growing 10x in 2 years
    - Switch points will choke
    - Technology change: eg memristors

- About 10 – 30 years from Lab to mass product

- We can predict the near future (10 years)
  - Hardware
  - Universal Comms
    - M2M
  - Software....
  - NO new “big applications”
Change 2

- **Anticipated failures:**
  - DRM
  - Mobile TV, except clips and music, maybe sport/news
  - New social networks sites
  - Apps are fashion goods

- **Social and political change:**
  - Rise of “BRIC” and Asia, maybe CIVETS;
  - Decline of USA (and some of Europe - the PIIGS)
  - Population issues: Global warming, resources, water...
  - Revolutions (e.g., Arab Spring) driven by communications
    - But not much changes

- Clean and green; Biotech, Medicine
Future mass employment

- Entertainment
  - Including food/restaurants

- Health care

- Education
Battles

• Fixed line vs Mobile comms
  • Wifi vs LTE

• Battle for the desktop
  • Google vs Microsoft vs Apple

• Who owns you?
  • Government, VISA, Microsoft, Google....
Integration of the Infosphere

- Text->Pictures->Moving Pictures-> 3D immersive environments
  - Bandwidth demand
  - Standards begin to allow interchange
    - Evolving,
      - e.g Bump maps, YouTube 3D format

- Migration to the Cloud

- Convergence: computers, comms, communities, entertainment, etc

- Divergence by functionality e.g. ISP/line/mail provider@mail name/

- Communities of Interest, not locality

- Rise and fall of the tablet

- Privacy vs centralisation
Internet of Things