

# **“Fighting over the Future of the Internet”**

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# We're living the post-PC era...

- Mobile devices
- Sensors
- Actuators
- Embedded processing

**How will the Internet change to support this?**

# Why should it change?

- Cultural differences vs. technical standards
- Will Internet lead to a cultural uniformity?
  - Often equated with US “unwelcome” culture, politics, idols, fast food!
- Or will it be divided into “coherent” regions?
  - Nations wish to preserve their cultural diversity

# It's always about money \$

- Investors' desire for capitalization
- ISPs profiling customers for advertising
- Closed sorts of networks have appeared
- If we invest in infrastructure...
  - Threat to innovation and Internet growth
- If we don't...
  - Threat to the capabilities and scale of the Internet
- Is there a middle path?

# Where will the changes occur?

- Packet, platform, application layer?
- Delay-tolerant networks
- Publish/Subscribe networks
- Who will be the platform owner?
- Designers and users should be able to choose

# “The surveillance society”

- Data from sensors and actuators
- ISPs will have to control and add metadata
  - Geolocation
  - Identity
  - Access rights
  - Authentication

# Individuals vs. Government

- Internet is a tool for...
  - Personal empowerment
  - Decentralization
  - Collective action
- But also for...
  - Information gathering and processing
  - In the hands of government a centralized control

# Taking it even further...

- More and more computers for people
- Even **inside** us
- What if those computers connect to the network?
  - Human augmentation
  - Ethical & religious issues



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