

Technology Collaboration: *Control Vs. Freedom*

Hossein Eslambolchi, PhD.

President --

Global Networking Technology Services & AT&T Labs

AT&T CTO & CIO

AT&T Fellow



The world's networking company SM

Technology Collaboration: Control vs. Freedom

Forces of Control

Forces of Freedom

Passive reception of
information & entertainment

Active participation in reception of
information & entertainment (web)

Newscasts;
Limited content providers

Blogcasts;
Personal Studios

Proprietary Solutions

Standards Bodies

Proprietary Software

Open Source

Closed Control Systems

Open Control Systems

Technology Collaboration: Control vs. Freedom

Forces of Control

Forces of Freedom

Licensed Spectrum

Unlicensed Spectrum –
Cognitive Radio

Regulated Access

Open Access

Traditional Phone
Numbering System

IP-Address Portability

Proprietary Networks,
Vendor Dependency

Open Networks,
Architecture & API

Synchronous Communication

Asynchronous Services