CSE 535

FIND Discussion

Is the current Internet broken?
Does it need fixing?

New Paradigms? "Paradigm Shifts"

Internet Arch Limitation?

Erosion?

Disruptive Technologies
Sensors & Sensor Networks
Why need billions & trillions of devices should be connected to Internet?
New Bill of Rights of Information Age:
Get the right information
To the right people
At the right time
On the right medium
In the right language
With the right level of details.

Software Radio

Emerging Applications
- Digital Living
- Networked Embedded Systems
Mappig the physical world into virtual world.

Is this same as virtual reality?

\[ \downarrow \]

- games
- training (flight simulators)
- Decision theater

opposite of VR.

pervasive computing / ubiquitous computing
autonomic computing
Large scale data grid & vast personal data

data $\rightarrow$ information

index
mine
AI/DB techniques
machine learning

Disaster recovery:

Power Grid

Battery Power
Solar Harvesting

$D - D$
1. **Summary**

Think about **Emerging Technologies, Applications & Capabilities in the context of your research problem**.

2. **Assignment**

1 page discussion of relevance of your research problem in the above context. (FIND) [find.isi.edu](http://find.isi.edu) follow agenda link.

Complete the search for "best" or paper B - ≤ 5

for each paper state why it is "best".