

# THE INTERNET

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# THE PAST THIRTY- FIVE YEARS

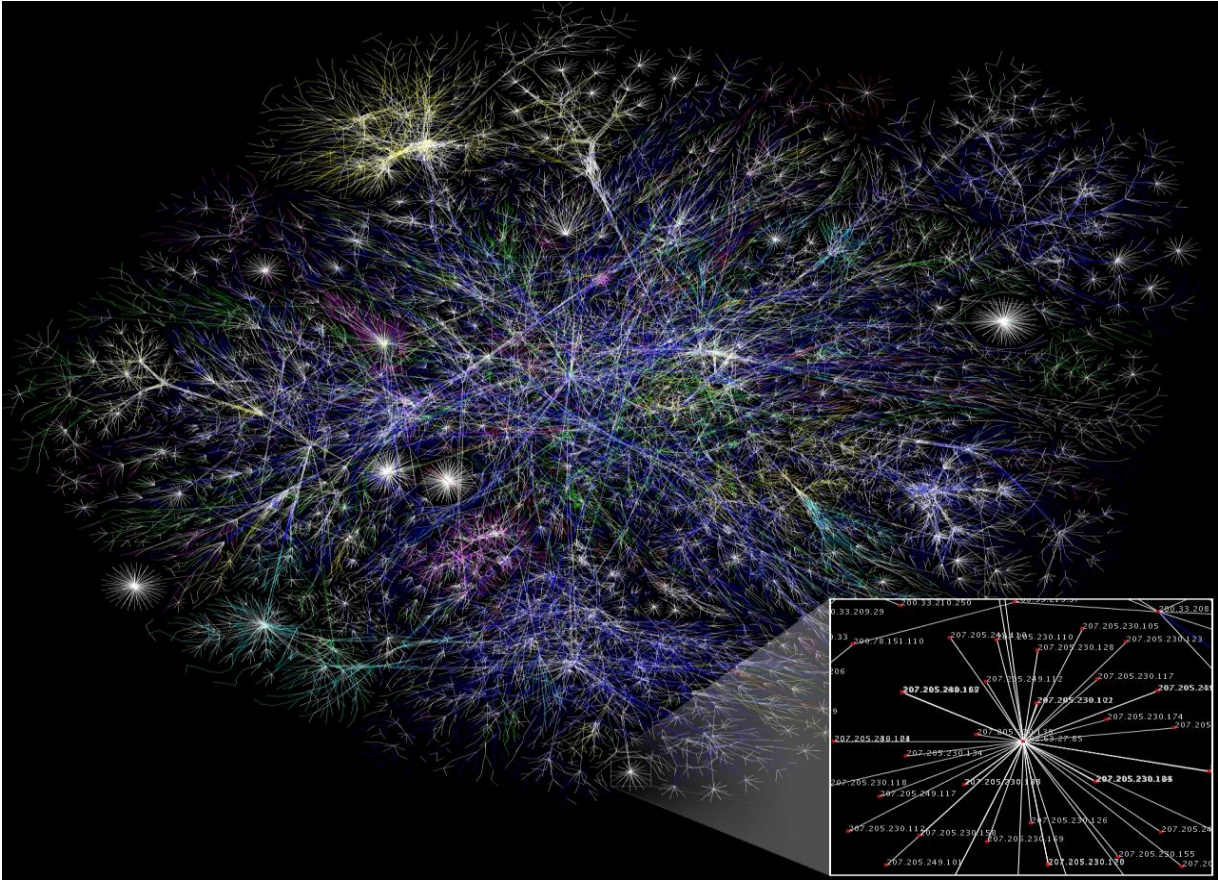


**From : Limited low speed data; expensive fixed communications; big computers limited to organizations; very limited international inter-personal communications**

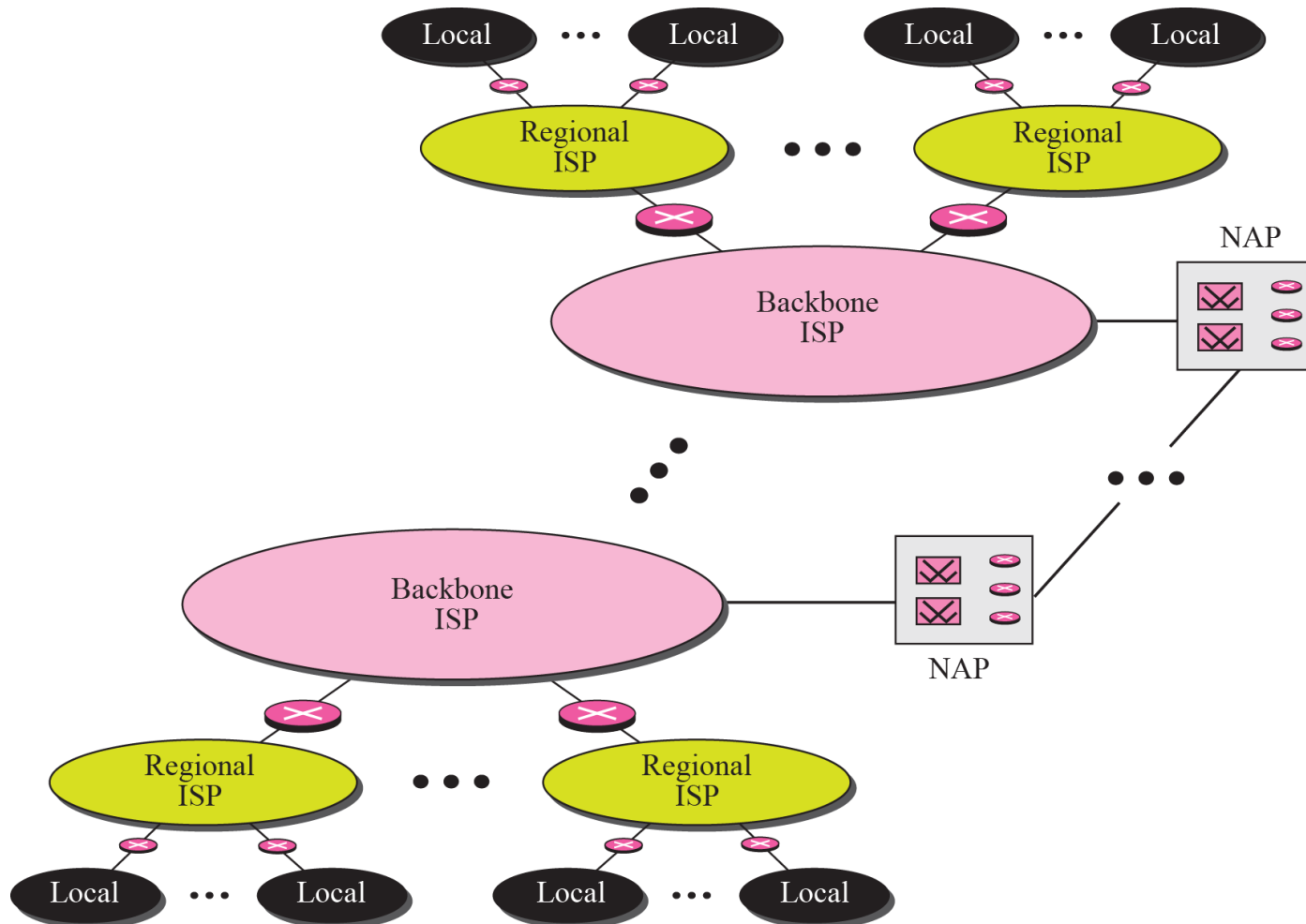
**To: Gigabit data; world wide wireless; powerful computers in my hand connected world wide; social networks; cloud distributed computers**

**And this is just beginning**

# WHERE WE ARE NOW



# ROUGH STRUCTURE OF INTERNET





# WHAT ARE THE CURRENT “HOT” PROBLEMS

## Security, security, security

- All all levels
  - Processors
  - Software
  - Network
  - IOT \*\*\*\*\*

# WHY WORRY SO MUCH ABOUT SECURITY



- **Financial**
- **Trust in what you hear**
  - Fake news and fake everything
- **Serious international problems**
  - examples



# WHAT TO AVOID

- **Being too far ahead of perceived need**
- **Banking on other people hardware**
- **Getting too far out front**
- **Trusting the taste of funders and believing your own hype**



# OUR GOAL

**“Building trust in the technology”** as the tentative primary development goal of the center.

- ✓ Defining the core wealth we want to create.
- ✓ Determining key technology/institution design requirements so that the technology and its governance structures benefit the humanity by equal, inclusive, and meaningful delivery of wealth.



# JAPAN

- **Historic lack of venture sources**
- **Lack of academic history in generation of companies**
  - Many reasons
- **IPA is a counter example**

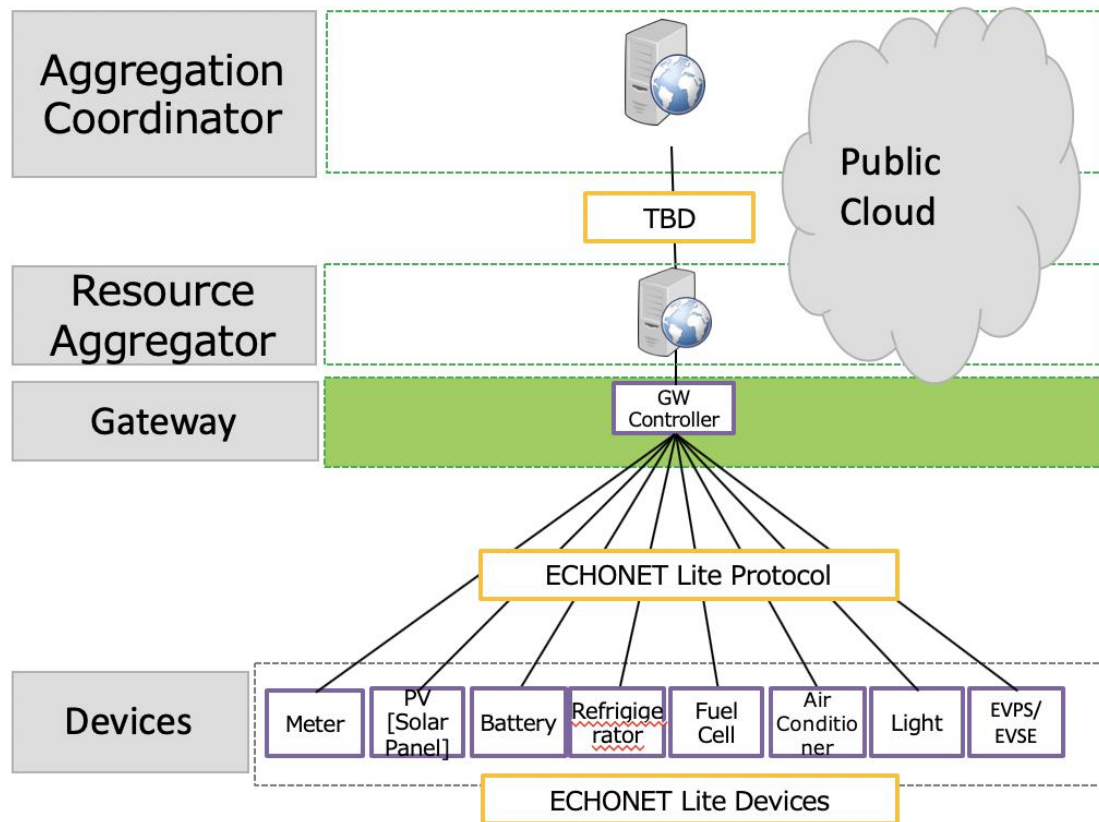


# **GENERATE A PROTOTYPE TOWARDS INNOVATION**

# OVERVIEW OF LAWSON'S VIRTUAL POWER PLANT [VPP] AT SFC



- How do the energy resources at the demand side, which are fragmented in a demand side, perform as an one power plant with ensuring trust as the whole system?



# **KEIO UNIVERSITY CYBER CIVILIZATION RESEARCH CENTER**



- **In order to contend with these changes and support humanity in its next evolutionary step, it is imperative that we rethink existing governance, economic, societal, and technological planning.**
- **David Farber and Jun Murai, Co-Directors**