Why cyberspace security critical?

- Confidence -> Usage
- Transaction - > Economy
- Activities - > Values
- Future – reality + virtualization -> singularity?
From SMART to INTELLIGENT

SMART CITY

SMART CITY

INTELLIGENT PEOPLE

INTELLIGENT PEOPLE

INTELLIGENT City

INTELLIGENT City

INTELLIGENT INTERACTION

INTELLIGENT INTERACTION

STRONG VALUES

STRONG VALUES

People

People

Infrastructure

Infrastructure

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iCity Lab
Balance Act for Sustainable Growth

**ECONOMY**
- Education
- Mobility
- Talent/Labor
- Competitiveness

**POPULATION**
- Social
- Healthcare
- Formal Education
- Safety/Resilience

**Integration & Monitoring**
- Efficiencies & Performance
- Planning and Governing
- Insight & Foresight
- Governance

**LAND**
- Housing
- Commercial
- Public
- Transportation
- Energy Water

**GOVERNMENT/PUBLIC RESOURCES**
- Infrastructure
- Basic Amenities
- Risk Management
- Security
- Social Order

**Example**
- Voice Of the PEOPLE
- Demand Accountability
- Knowledge, Information & Connectivity

**Example**
- Economy Transformation
- Competitive Advantage: Knowledge, Innovation, Efficiencies
- Employment

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Integrated Services Experience along Life Time

TECHNOLOGIES

- Broadband Convergence Network
- Fiber to the Premise
- Global Positioning System (GPS)
- Augmented Reality (AR)
- Geographic Information System (GIS)

- Ubiquitous Sensor Network
- Telematics
- Internet Protocol (IPv6)
- Context Awareness Computing
- Middleware in Simulation Technology
- Radio Frequency Identification
- High Speed Downlink Packet Access and Wireless Broadband
- System-on-a-Chip (SoC)
iCity Services enabled by Open Data

**Learner Needs**
- I have a career goal
- Fun to study
- Job and Career
- iEducation

**Shopper Needs**
- Knowing my tastes
- Value for money
- Excellent Experience
- iStyle

**Elderly Needs**
- Health maintenance
- Social participation
- Entertainment
- iHome

**iCity Applications**
- Learning Goal
- Study Plan
- Learning Games
- Access to Services

- Recommendations
- Promotions
- Loyalty points
- Access to Services

- Communication
- Plan and Calendar
- Care monitor and manager
- Access to Services

**iCity Service Cloud**

**iCity Service Platform**

**iCity Public Data Platform**

- People Profile
- Org. Profile
- Gov Policy
- Service Directory
- GIS

- Healthcare
- Education Institutes
- Public Transports
- Public Housing
- Utilities
- Financial Services
- Social and New Media
- NGOs
- SOHOs
iCity Lab interests on Cyberspace Security

• Dilemma - Security vs Usability
  – Personal Data
  – Assets – actual goods and virtual goods
  – Risk
  – Cost
  – Convenience

• Strategy and Governance - driven by international bodies and governments
  – Policy – rule of law
  – Process – best practices
  – Product – better design for usability
  – Player – roles and responsibilities
Considerations around Personal Data

- Anonymity vs Personalized Services
- Is this a matter of personal choice?
- What data are sensitive, how sensitive, can we grade them and protect them?
- Personal Data Protection Act is in place, what is the whole roadmap?
- How we can enforce the law?
- Role of Civil Society
THANK YOU