

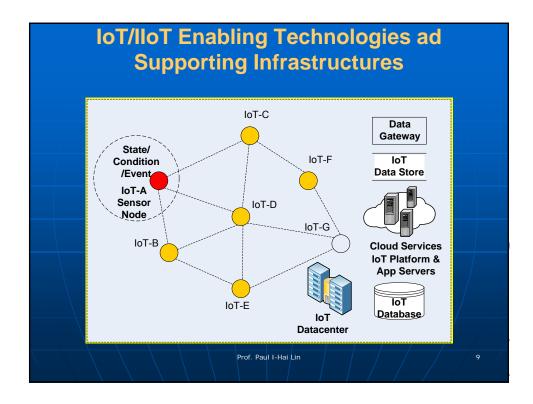
IoT/IIoT Enabling Technologies and Supporting Infrastructures

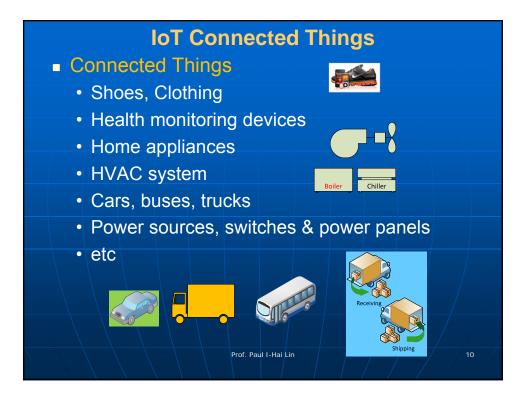
- Sensors technologies
- Micro-electronics subsystems
- Embedded computing subsystems
- Wired/wireless communications and Internet

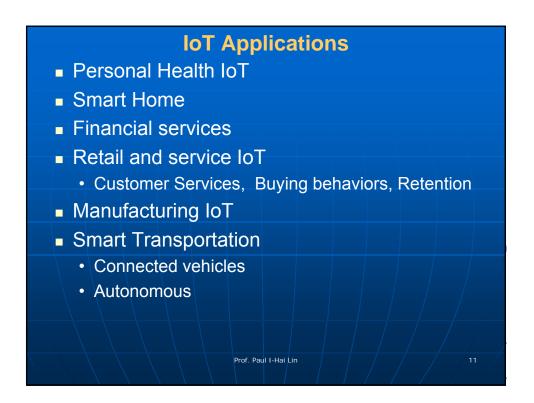
Prof. Paul I-Hai Lin

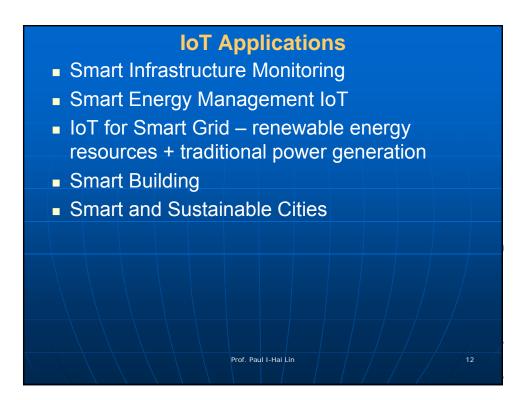
- Distributed computing systems
- Cloud computing services
- Database, Datacenter
- Big data and analytic

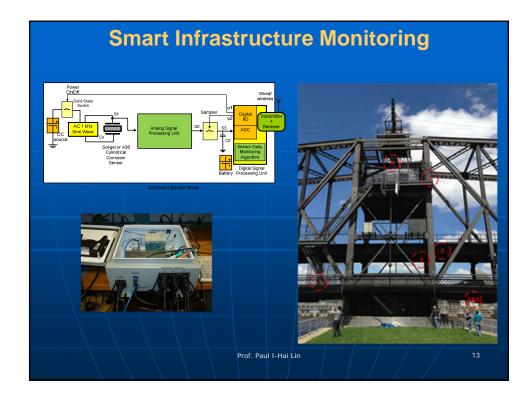
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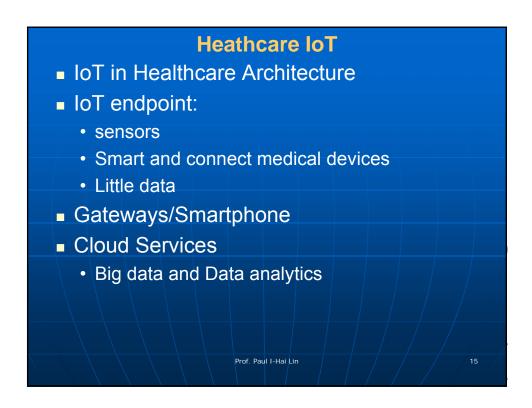


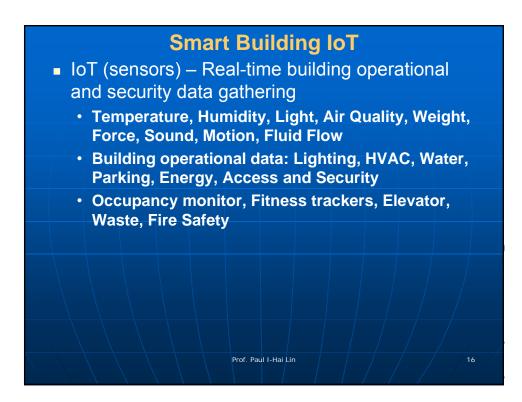


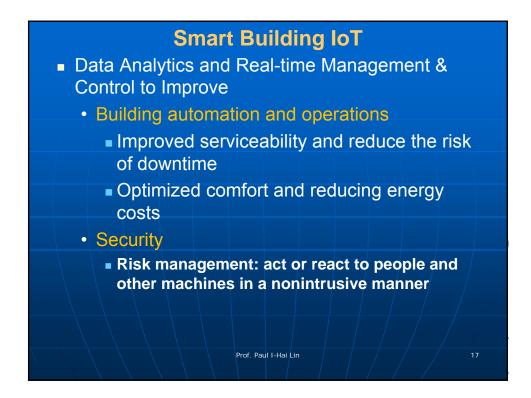


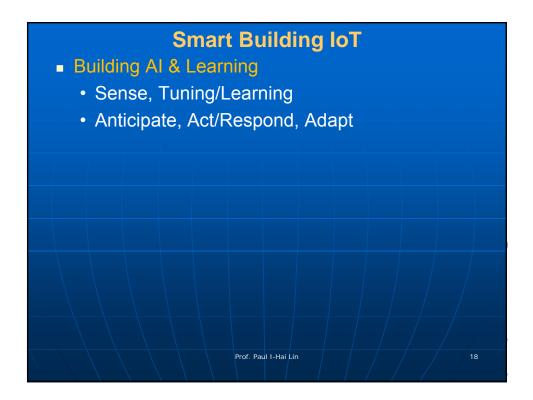


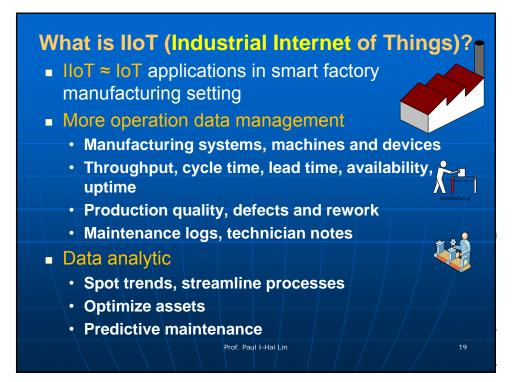
| Personal Heath IoT |
|---|
| ■ IoT — |
| Connected devices: hand-held devices, wearable devices, tablet, smartphones |
| Body sensor network, mobile gateway, cloud services |
| Mobile health/medical app |
| Applications |
| Intelligent personal health assistant |
| Monitoring Patients and Medical Devices in Real- Time |
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| Prof. Paul I-Hai Lin 14 |

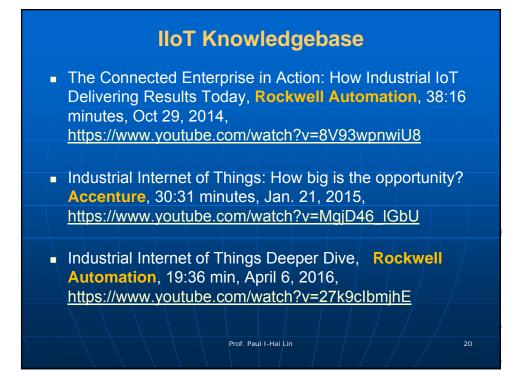




















| Company2IoT vendors selling the hardware, software and comprehensive solute/ons.McKinsey & Company3Total IoT market size in 2015 was up to \$900M, growing to \$3.7B in 2020 attaining a 32.6% CAGR.Gartner* Estimate that 4 billion connected things wi be in used in the consumer sector in 2016, and will reach 13.5 billion in 2010 | Company | Forecasts and/or Market Estimates |
|---|--------------------------|--|
| McKinsey & Company3Total IoT market size in 2015 was up to \$900M, growing to \$3.7B in 2020 attaining a 32.6% CAGR.Gartner* Estimate that 4 billion connected things wi be in used in the consumer sector in 2016, and will reach 13.5 billion in 2010 *The IoT will support total services spending of \$235 billion in 2016, up 22 percent from | Bain & | By 2020 annual revenues > \$470 B for the |
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| 2015 | | of \$235 billion in 2016, up 22 percent from |
| | | 2015 |
| | Columbus, Nov. 27, 2016, | Things Forecasts and Market Estimates, 2016, Louis |



