

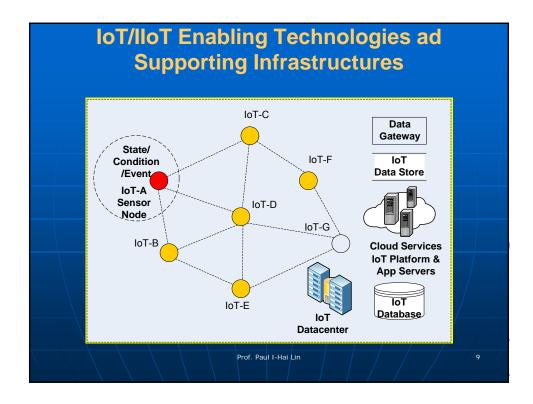
## IoT/IIoT Enabling Technologies and Supporting Infrastructures

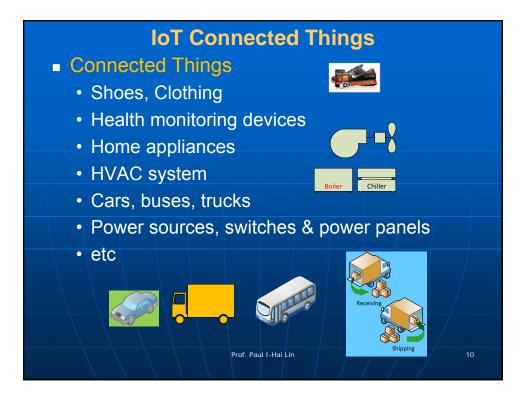
- Sensors technologies
- Micro-electronics subsystems
- Embedded computing subsystems
- Wired/wireless communications and Internet

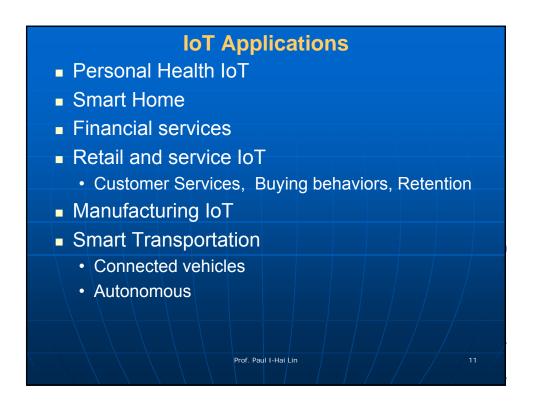
Prof. Paul I-Hai Lin

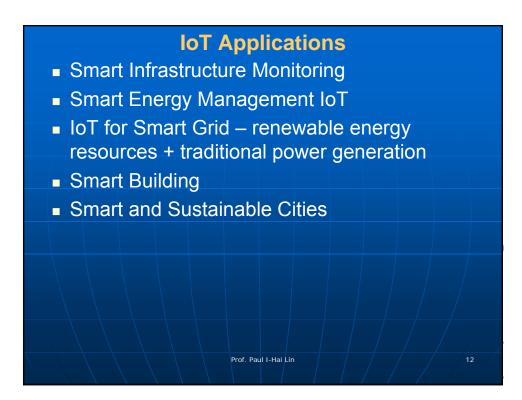
- Distributed computing systems
- Cloud computing services
- Database, Datacenter
- Big data and analytic

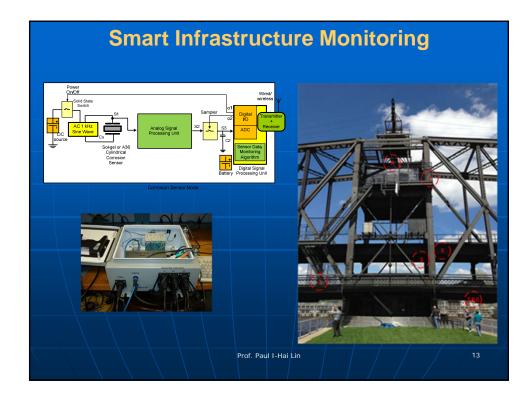
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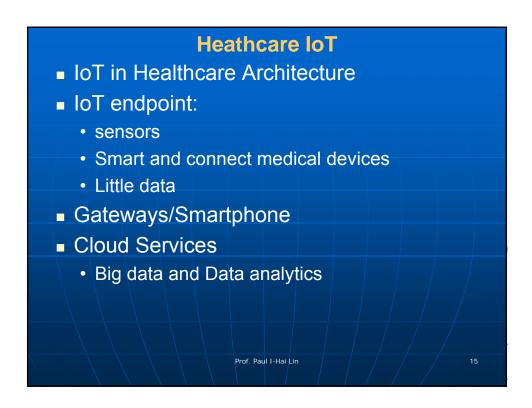


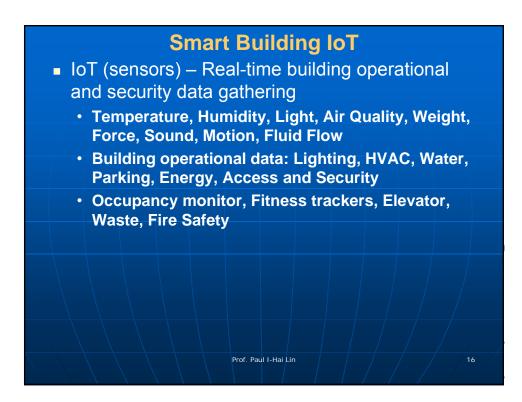


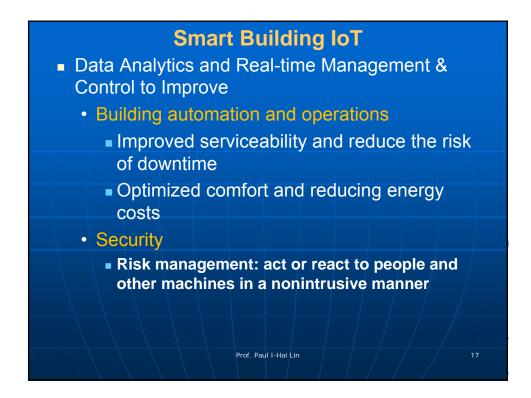


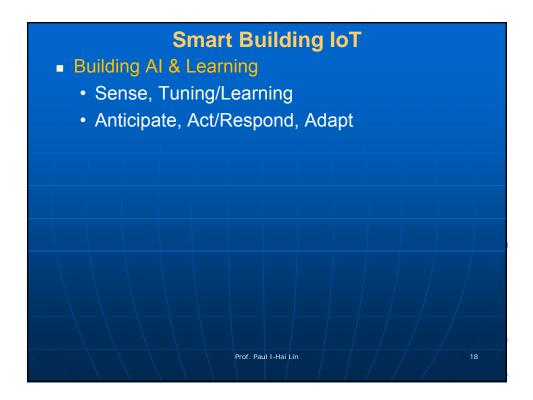


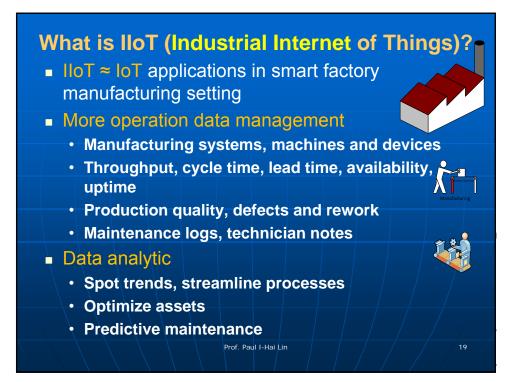
Personal Heath IoT
■ IoT —
<ul> <li>Connected devices: hand-held devices, wearable devices, tablet, smartphones</li> </ul>
<ul> <li>Body sensor network, mobile gateway, cloud services</li> </ul>
Mobile health/medical app
<ul> <li>Applications</li> </ul>
<ul> <li>Intelligent personal health assistant</li> </ul>
<ul> <li>Monitoring Patients and Medical Devices in Real- Time</li> </ul>
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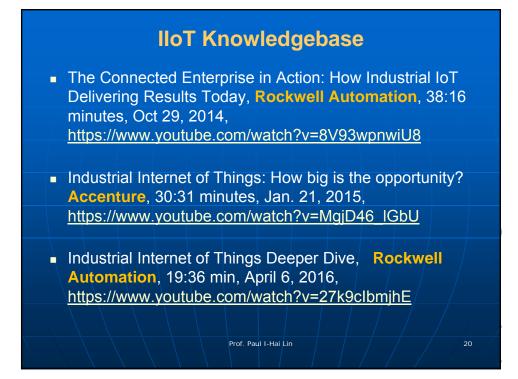








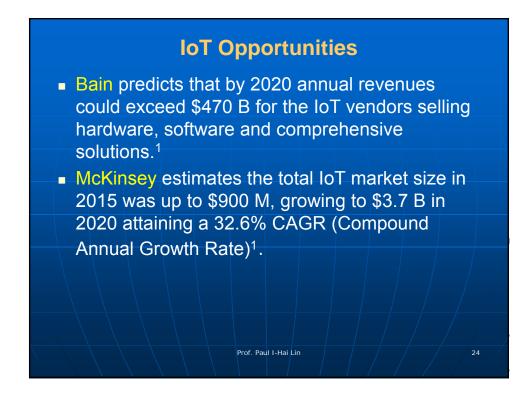












Company2IoT vendors selling the hardware, software and comprehensive solute/ons.McKinsey & Company3Total IoT market size in 2015 was up to \$900M, growing to \$3.7B in 2020 attaining a 32.6% CAGR.Gartner* Estimate that 4 billion connected things wi be in used in the consumer sector in 2016, and will reach 13.5 billion in 2010	Company	Forecasts and/or Market Estimates
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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



