EWSN 2019 BEIJING TRIP

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Day 1: Presentations and Tsinghua



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Internet and IoT

FIT I DO WA

The Internet of Things (IoT) extends the Internet by connecting billions of devices beyond standard devices. Devices traditionally considered dumb devices, like lightbulbs, microwaves, cars, refrigirators, streetlights, pacemakers, are connected by IoT.

A typical IoT device has various sensors and is connected by low power wireless networks so that it can be manufactured at a low cost and runs on a battery for months or years.

Limitingation

IoT combines the traditional wireless sensor networks with the Internet. IoT devices communicate on the networks without intervention.

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Why 6LoWPAN?

- IPv4 address space is running out
- More and more smart objects, embedded systems, wireless devices
 - ► Need to run many on low power and with minimal resources
- ► Want to be able to use IP with these devices
 - ► Can integrate into IoT

Why 6LoWPAN for WSNs

- Solves the addressing issues when many embedded sensors share the same network

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- Low overhead OS implementations such as Contiki

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Day 2: Great Wall and Baijia House











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Day 3: The Forbidden City and Jingshan Park









