



UNIK4750 L2 Internet of Things

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- Handouts [Media:UNIK4750-L1-Introduction.pdf](#)
- Lecture Notes [Media:UNIK4750-L1-LectureNotes.pdf](#)
- 28Jan - L2: Internet of Things *J*
 - Video introduction: [IBM introduction to IoT](#) , [TED talk of John Barrett](#) 
 - Handouts [Media:UNIK4750-L2-Internet_of_Things.pdf](#), Internet of Things
 - Lecture Notes [Media:UNIK4750-L2-LectureNotes.pdf](#)
- 4Feb - L3: Security in IoT *G* - Paper selection
 - List of papers
 - [Guide on how to search for Literature](#)
- 11Feb - L4: Smart Grid, Automatic Meter Readings (AMR) *G*
- 18Feb - L5: Service implications on functional requirements *G,(J)*
- 25Feb - vinterferie

"Your take on IoT"



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 - Privacy challenge, Ethical Change in Society
 - privacy
 - Security (Example: Patients Scalability IPsec evolution
 - protocols
 - IP limitations
 - Safety augmented reality - cash
 - Sensor support
 - easier
 - reduced errors
 - "IT natives vs population"
 - IoT -> service enabler
 - environmental
 - easier everyday
 - Smart Everything
 - Robots
 - Technology gap
 - developing economies
 - Crisis response
 - fast
 - more dependable

Sociable Internet of Things



- Things" become socially intelligent
 - yes, without doubts
 - requires new trust model
 - measurable security
- Growing Internet of Things (IoT) market
 - broad connectivity
 - essential openness of smart "everything"
 - security, privacy, dependability
- «What about me?»
 - The Internet of People, Things and Services (IoPTS)

Imagine a world where things are connected, but unsociable. Every interaction would have to be explicitly scripted or it wouldn't happen. Oh wait, you don't have to imagine it. That's the current model for the IoT, and it won't scale.

<http://www.linuxjournal.com/content/true-internet-things>

Common architecture of IoT systems



Core system consists of

- sensors and devices
- network and communications
- services
- intelligent overlay

Ability to adjust

- from sensors to services

Composing security

