

Topics Master Zyyad

- IoTSec.no
- machine learning - traffic analysis
- SDN/open flow for security in IoT networking
- EyeSaas - QoE relation to network parameters (based on TR069 and Air4920)

BasicInternet

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User **Zyyad Shah**

[\(edit page\)](#)

First Name Zyyad Ali Shah
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Company Ifi, HiOA
about: Master in Networks and System Administration (3rd Semester) Student at Ifi
involved in Projects
Keywords

Major Keywords from activities

Frequency Range [Wireless Communications](#)

Zyyad Shah has given the following lectures:

- Assignment Presentations H16 (UNIK4700, UNIK9700)
- Assignment Presentations H16-2 (UNIK4700, UNIK9700)
- Homework: Preparation of your assignment (UNIK4700, UNIK9700)
- Wireless Communications aspects (UNIK4700, UNIK9700)

- > Short Thesis
- > Monday in week 4 with delivery in week 22 or

<http://cwi.unik.no/images/a/ae/UNIK4750-L9-handouts.pdf>

<http://cwi.unik.no/wiki/UNIK4750>

Keynote 2: 12:30-13:00



Vijay Sivaraman received his B. Tech. from the Indian Institute of Technology in Delhi in 1994, his M.S. from North Carolina State University in 1996, and his Ph.D. from the University of California at Los Angeles in 2000, all in Computer Science. He has worked at Bell-Labs as a student Fellow, in a silicon valley start-up manufacturing optical switch-routers, and as a Senior Research Engineer at the CSIRO in Australia. He is currently a Professor at the University of New South Wales in Sydney, Australia. His research interests include Software Defined Networking for carrier, enterprise, and home networks, and Internet-of-Things technologies for smart-homes and smart-cities.

Title: "Software Defined Networking (SDN) in Next-Generation Telecom Infrastructure: Some quick wins and the road ahead"

Abstract: SDN technology will undoubtedly shape the telecoms networks of the future - this talk will outline some much-needed "quick wins" along this long journey. We will show how SDN can reinvent home networking by providing a platform for value-add service creation; we will then demonstrate how SDN can provide better visibility and management of streaming video traffic in carrier and enterprise networks; and finally we will show how SDN can redefine the value of inter-domain interconnects. We will conclude with a short discussion on the potential for security to be the compelling use-case for SDN adoption.

- 1: Meas. Sec. for sensor communication
(Mushfiq - ABB) + SDN
2. integrating energy devices - CPS lab (+ Inaki)
3. creating analysis and standards for
InfoInternet (Sudhir)

2. integrating energy devices - CPS lab (+ Inaki)

- today: Chromecast
- prototype ("PC + BasicInternet)
- credential distribution: binary SMS (Linus/Wolffia as part of SCOTT)
- security analysis (idea of "grade of security")

1. TOC

2. identify the focus

Essay → Thesis

Title page, abstract, ...

1. Introduction, containing: short intro into the area, what is happening
 - 1.1 Motivation, containing: what triggered me to write about what I'm writing about
 - 1.2 Methods, containing: which methods are you using, how do you apply them
 2. Scenario, optional chapter for explaining some use cases
 - 2.1 user scenario, (bad name, needs something better)
 - 2.2 Requirements/Technological challenges
 3. State-of-the art/Analysis of technology, structure your content after hardware/SW (or other domains). Describe which technologies might be used to answer the challenges, and how they can answer the challenges
 - 3.1 technology A
 - 3.2 technology B
 4. Implementation
 - 4.1 Architecture, functionality
 - 4.2
 5. Evaluation
 6. Conclusions
- References

"Thesis format"

future work

3. creating analysis and standards for InfoInternet

- Sudhir is coming 17Jan (head of research in HP, head Nokia Labs in Oulu)
- Opera Mini (proxy to text & pictures)

