

From Physical to Virtual Sensors (PVS)

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INF-3983 Capstone Project in Computer Science ... December 2017



Abstract

W3 Whats wrong with the word? / motivation 1-3 setninger

Architecture - 1-3 setninger

Design- 1-3 setninger

Implementation - 1-3 setninger

Experiments - 1-3 setninger

Results - 1-3 setninger

Lessons learned/main conclusion - 1-3 setninger

Kutt heller etterpaa

This dissertation present/describe ...

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1.2	Its raining dogs and cats	3

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Introduction

Introduction to this thesis test! You can start typing!![1]

1.1 Motivation

The motivation!

- W₃
- Problem definition: This project investigated ... x, with the purpose of y.

The motivation behind this project is that no single sensor may cover the sensing needs, and that sensing needs can change rapidly over time. Consequently, there is a need for sensor fusion, and allow for combining sensors at different computers.

1.2 Contributions

What was the contribution?

1.3 Assumptions

AVGRENSE, VIKTIG!! Something about motivation and stuff

1.4 Limitations

AVGRENSE, VIKTIG!!

- The first item .
- The second item is

Some text ...

1. The first item
2. The second item is a

Entry A with definition A.

Entry B with definitioin B.

Entry C with definition C.

1.4.1 A subsection

We can use the API to application programming interface (2API) do stuff, and write about what we did in a thesis!

This is some stuff, SMALLCAPS SMALLCAPSEMPHASIZED regularemphasized

Long ass glossary entry: a test glossary entry.

If the acronym University of Tromsø (UiT) is displayed, then loadglentries works. Hello. This is a test: Camilla is cool!! (CAMILLA)

It is fun to use modern OpenMP technology!¹

It is fun to use *modern openMP* technology! And it is fun to use Data-Driven Documents (D3) and version 5 of the HyperText Markup Language standard (HTML5).

Referencing figure 3.1 to test link.²

The Definition 1. Some other definition

The Definition 2. Its raining dogs and cats

1. This is a snarky footnote. Words and etc. Semantic web technologies are technologies that enable semantification of the Web as we know it today. Hopefully this spans some lines now.
2. This is another footnote.

/2

Background and Related Work

- Taking Sensor Networks from the Lab to the Jungle
- Wireless Sensor Networks for Habitat Monitoring
- Se de andre paperne Otto har sendt

2.1 Something

gggg

/3

Architecture

Functionalities, abstractions, tell it clean/neat.

We now describe the system architecture, functionality of individual components and how they operate together.

- Physical sensors??
- Datastore (DAO)
- Fused data
- Virtual sensors
- Result from virtual sensor to user

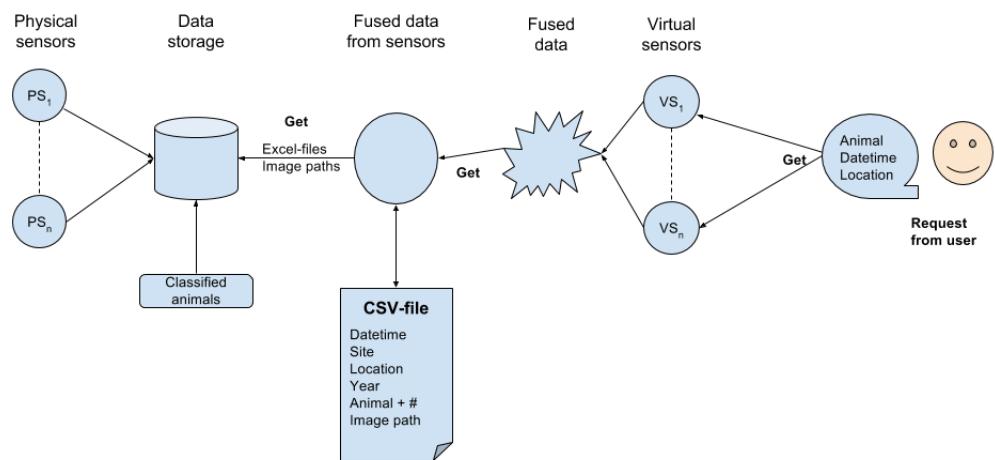


Figure 3.1: Figure showing architecture

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Design

Client/Server, p2p, put/get, pub/sub, protokoller etc.. BESKRIV INTERAKSJONEN MELLOM ENHETENE!!

Virtual sensors probably uavhengige prosesser, ikke threads ettersom man evt vil addere flere sensorer og unngå å starte alle sensorer på nytt igjen.. Er de virtuelle sensorene servere eller publisher?

Content left	Content right
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Table 4.1: A table

Content left	Content right
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Table 4.2: Another table**Listing 4.1:** Small C program

```

#include "stdio.h"
#define e 3
#define g (e/e)
#define h ((g+e)/2)
#define f (e-g-h)
#define j (e*e-g)
#define k (j-h)
#define l(x) tab2[x]/h
#define m(n,a) ((n&(a))==(a))

long tab1[]={ 989L,5L,26L,0L,88319L,123L,0L,9367L };
int tab2[]={ 4,6,10,14,22,26,34,38,46,58,62,74,82,86 };

main(m1,s) char *s; {
    int a,b,c,d,o[k],n=(int)s;
    if(m1==1){ char b[2*j+f-g]; main(l(h+e)+h+e,b);
        printf(b); }
    else switch(m1-h){
        case f:
            a=(b=(c=(d=g)<<g)<<g)<<g;
            return(m(n,a|c)|m(n,b)|m(n,a|d)|m(n,c|d));
        case h:
            for(a=f;a<j;++)
                if(tab1[a]&&!(tab1[a]%(long)l(n)))
                    return(a);
        case g:
            if(n<h) return(g);
            if(n<j){ n-=g; c='D'; o[f]=h; o[g]=f; }
            else{ c='\r'-'`\b'; n=j-g; o[f]=o[g]=g; }
            if((b=n)>=e)
                for(b=g<<g;b<n;++b)o[b]=o[b-h]+o[b-g]+c;
            return(o[b-g]%n+k-h);
        default:
            if(m1-e) main(m1-g+e+h,s+g); else *(s+g)=f;
            for(*s=a=f;a<e;)*s=(*s<<e)|main(h+a++,
                (char *)m1);
    }
}

```

| } |

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Implementation

Threads, data structures, language ... Pandas (dataframe), CV2 (show image), exifread, Python 2.7, missing testing (CPU, memory, time?)

/6

Evaluation

metrics, define (CPU, memory, latency.), benchmarks (mirko, kernel... How to measure, where done, PSEUDOCODE

6.1 Experimental Setup

6.2 Something!?

6.3 Results

What does the result say? Each experiment, result, meaning



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Discussion

Idea, architecture, design, results, andre løsninger, "arch har scaleproblem?"

7.1 abcd



8

Contributions

/9

Conclusion

9.1 Future Work



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Future Work?

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Appendix?

readme, source code, dataset measurement RAW

Bibliography

- [1] Robert Sedgewick *Algorithms in C - parts 1-4*. Addison-Wesley Publishing Company, 3. Edition, 1998.