Logbook Peter

# Week 0 (3rd week examinations)

## 26/1/9

**8h -> 13h**

Linguapolis, correcting the survey paper

Bottom of Form

## Rest of the week

Ill due to the flue, but we did briefly discuss the possibilities of the international project

# Week 1

Bottom of Form

## 2/2

**13h -> 17h**

Improving paper

**20h -> 22h**

Finishing paper

**23h -> 24h**

finishing touch survey paper

Bottom of Form

## 3/2

**8h -> 12h**

evaluating the Senseless frameworks, made a page for it on the wiki

**13h -> 17h**

reading papers

**20h -> 21h**

Going home to print all the relevant papers

Bottom of Form

## 4/2

**8h -> 13h**

linguapolis sessie + onderweg + discussie keuze framework

**16h -> 17h**

Installing MySQL + ODBC driver

Bottom of Form

## 5/2

??? Top of Form

Bottom of Form

## 6/2

???

# Week 2Top of Form

Bottom of Form

## 9/2/09

**8u30 tot 12u**

Verderwerken aan Senseless framework… → PC formateren (XP SP3) + software reden: probleem met access control list in Windows 7

**12u tot 15u30**

ip adres & poort nummer van de telosb parser zijn hardcoded, zoeken in bronbestanden waar dit aangepast kan worden. Serial.java bevat de code hiervoor.

Rollen verdelen in samenspraak met Tim. + eten Resultaat: Tim gaat Java gedeelte doen.

**15u30 tot 17u**

Verdiepen in broncode Olivier.Top of Form

Bottom of Form

## 10/2/09

**9u tot 13u**

Verder werken aan Controller

**13u tot 18u**

Onderweg + overleg Bachelorproef Omar + paper lezen

Bottom of Form

## 11/2/09

**9u tot 13**

Bekijken specifieke functie controller om extra sensorwaarden toe te voegen?

Verbinding maken met MySQL in Excel

Nadenken over verder werk framework. We zullen het XML formaat verder uitbreiden maar zoeken verder het werk in het framework te beperken zodat we kunnen werken aan ons algoritme.

MySQL workbench installeren en hiermee wat experimenteren.

**13u tot 17u**

\*XML schema definieren samen met Tim \*Controller aanpassen aan nieuw XML schema \*Problemen met MYSQL DB oplossen

* Problemen met importeren schema
* Problemen met MySQL daemonBottom of Form

## 12/2/09

**8u30 tot 9u30**

Problemen met MySQL daemon oplossen: klaar DB herstellen

**9u30 tot 10u45**

Schema + Stored procedures aanpassen

**10u45 tot 12u**

PHPmyAdmin installeren: problemen met PHP installer :( Andere GUI Officiele GUI: Admin Tools & Query browser

**12u tot ...**

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Bottom of Form

## 13/2/09

**13u to 18**

Werken met Tim om telosB parser in orde te krijgen

Probleem met de nieuwe stored procedure

# Week 3Top of Form

Bottom of Form

## 16/2/09

**9u tot 11u30**

Probleem opgelost (null-values)

**11u30 tot 13u**

Thinking about the next steps of the thesis

**14u tot 16**

Discussing with Tim about the next steps and demonstrating the working senseless framework.

**16u tot 17u**

Reading paper GPS-less Top of Form

Bottom of Form

## 17/2/09

**9u tot 10u**

Organizing printed papers + Reading Paper: Locationing in Distributed AD-HOC Wireless Sensor Networks.

**10u -> 17u**

Reading paper Robust Positioning Algorithms +Reading many Other papers, the results are discussed on the wiki Top of Form

Bottom of Form

## 18/2/09

**8u tot 12u**

Traveling + Unit 5 Linguapolis

**12u tot 14u**

Searching the IEEE + Sciencedirect + Springerlink databases

**14u -> 16u30**

Discussing the focus of our thesis with Maarten Weyn & Jerry Bracke + Traveling

Top of Form

Bottom of Form

## 19/2/09

**8u -> 9u**

Reviewing basics of statistics + browsing books from the Artesis library

**9u30 -> 13u**

Reading & reviewing papers

**13u -> 16u**

Discussing our MAP with Tim: what to do next. Top of Form

Bottom of Form

## 20/2/09

Building a proximity system, problems with the printf service

# Spring BreakTop of Form

Bottom of Form

## 23/2/09

**8h -> 17h**

Adapt the senseless framework to V3 (DB, stored procedures)

Changed the TelosB code, formed a new database schema and stored procedures

Changed the controllerTop of Form

Bottom of Form

## 24/2/09

**8h -> 17h**

telosb code aanpassen + nieuw db schema + nieuwe stored procedures + controller aanpassen Top of Form

Bottom of Form

## Rest of the week

Writing and debugging telosb code.

# Week 4Top of Form

Bottom of Form

## 2/3/09

**8u -> 12u30**

Testen van payloadlength functie in een simpelere applicatie, zowel in 2.0.2 als in 2.1

**14u -> 17u**

GUI

Top of Form



Bottom of Form

## 3/3/09

**8h -> 12h**

bestuderen code GUI + verder verdiepen in Controller

**12h30 -> 17h**

onderweg nr school + meeting internationaal project met anderen + Omar introduceren tot TinyOS en Xubuntos ( +- 2u ) Top of Form

Bottom of Form

## 4/3/09

**9h -> 17h**

alle nieuwe functionaliteit in de GUI gecodeerd in een ruwe maar werkende vorm + nieuwe stored procedures aangemaakt om data op te halen van de DB. resultaat: alles werkt in een ruwe vorm voor zover ik het kon testen. Zal alles morgen afwerken, exceptions afhandelen, code testen, GUI leuk voor het oog maken. Top of Form

Bottom of Form

## 5/3/09

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Bottom of Form

## 6/3/09

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# Week 5Top of Form

Bottom of Form

## 9/3/09

**12h -> 17h**

Starting on draf paper + discussing with Tim about the structure of the paper Top of Form

Bottom of Form

## 10/3/09

**8h -> 14h**

Writing the intro of the paper

**14h -> 17h**

On the road + WIP + search for external antenna telosb

**17h -> 0h30**

Top of Form



Accenture bowling

## 11/3/09

**10h -> 24h**

Writing paper, delivered temporary paper to Kathleen and wrote VGV2 Top of Form

Bottom of Form

## 12&13/3/09

Holiday

# Week 6Top of Form

Bottom of Form

## 16/3/07

**12h -> 17h**

Reading up on C# and WPF, helping Tim with TelosB code, reviewing everything from the Senseless framework Top of Form

Bottom of Form

## 17/3/09

**8h -> 9h**

Filling in my log from the Excel files. Everything must be written in English! TODO. It would be a good idea to write a summary after each week what has been delivered. This will be much more easier when reviewing things later on.

**9h -> ..**

Checking out the SandBox doc system (and Ndoc) Top of Form

Bottom of Form

## 18-19-20/3

Attending the WPNC conference

# Week 7Top of Form

Bottom of Form

## 23/3

**9h->12h**

Improving the GUI:

V1.1.1 & V1.1.2

**12h->17h**

Testing the GUI and controller with Tim's new parser. Result: dissemination works!

## 24/3

**8h->9h**

Reviewing on some C# topics

**10h->14h**

Improving the GUi: 1.1.2

**14h->15h30**

Making a Gantt chart with Tim.

**15h30 -> 17h**

Debugging: problem with the TelosB parser. Gave Tim a correct working Senseless system so he could further work on his parser Discussing the use of Senseless for evaluating the algorithms Top of Form

Bottom of Form

## 25/3

**11h->12h**

Made 1.2.2 of the Controller

**12h->13h**

Made 1.2.3 of the Controller & 1.1.3 of the GUI, mainly exception handling

**13h->14h30**

Made 1.1.4 of the GUI, field validation & improving the control tab

**14h30->17h**

Building 1.1.5 of the GUI, implementing the TimeOut … Top of Form

Bottom of Form

## 26/3

**10h->11h**

Rethinking the status.

**11h->12h30**

Discussing possible status methods

**13h->15h**

Implementing the new status method

Top of Form



## 27/3

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# Week 8Top of Form

Bottom of Form

## 30/3

**8h -> 13h**

Implementing basic positioning algorithms

**13h->17h**

Working with Tim on the final steps of the framework, the reply from the WSN to an action request Top of Form

Bottom of Form

## 31/3

**8h->10h**

Rethinking the status to search for a solution with the dissemination problem

**10h->11h30**

Discussing the possible solutions with Tim

**11h30->17h**

Implementing and debugging Top of Form

Bottom of Form

## 1/4

**8h->9h**

Checking out Motelab and Octopus. Both apps are related to our work but are still a little bit different in what they want to achieve

**10h->13h30**

Correction session intermediair paper + Talking with Jerry about the SCALA interface

**14h->17h**

Improving the GUI

## Week 9 – 10

Unknown

## Week 11 – 16

Working on the Scala interface & the localization algorithms. Was available in Elab most part of the time, work in the easter break as well. Approximate worked hours each day: 8

## Ending of the semester (Week 17 – 19)

Bottom of Form

* WTCI & POCA conference
* Testing of algorithms
* Finishing the code
* Debugging
* Testing the algorithms and gathering the results
* Making the portfolio

In these last weeks Tim and I worked simultaneously. Tests were done in Sint-Niklaas and took a great deal of time. Time spent these weeks is the same as Tim’s. I did however took a holiday of one week (Only holiday longer than a day this semester)

To check what I did deliver in the last weeks you can check the logs of the svn at:

* https://wsnlocalizationscala.googlecode.com/svn