

# LOGBOOK PETER

## WEEK 0 (3RD WEEK EXAMINATIONS)

26/1/9

**8h -> 13h**

Linguapolis, correcting the survey paper

## REST OF THE WEEK

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

## WEEK 1

2/2

**13h -> 17h**

Improving paper

**20h -> 22h**

Finishing paper

**23h -> 24h**

finishing touch survey paper

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

4/2

**8h -> 13h**

linguapolis sessie + onderweg + discussie keuze framework

**16h -> 17h**

Installing MySQL + ODBC driver

5/2

???

6/2

???

## WEEK 2

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.

10/2/09

**9u tot 13u**

Verder werken aan Controller

**13u tot 18u**

Onderweg + overleg Bachelorproef Omar + paper lezen

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

- Problemen met importeren schema
- Problemen met MySQL daemon

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 Officiële GUI: Admin Tools & Query browser

**12u tot ...**

???

13/2/09

**13u to 18**

Werken met Tim om telosB parser in orde te krijgen

Probleem met de nieuwe stored procedure

### WEEK 3

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

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

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

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.

20/2/09

Building a proximity system, problems with the printf service

## SPRING BREAK

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 controller

24/2/09

**8h -> 17h**

telosb code aanpassen + nieuw db schema + nieuwe stored procedures + controller aanpassen

## REST OF THE WEEK

Writing and debugging telosb code.

## WEEK 4

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

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 )

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.

5/3/09

??? T

6/3/09

??? F

## WEEK 5

9/3/09

**12h -> 17h**

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

10/3/09

**8h -> 14h**

Writing the intro of the paper

**14h -> 17h**

On the road + WIP + search for external antenna telosb

**17h -> 0h30**

Accenture bowling

11/3/09

**10h -> 24h**

Writing paper, delivered temporary paper to Kathleen and wrote VGV2

12&13/3/09

Holiday

## WEEK 6

16/3/07

**12h -> 17h**

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

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)

18-19-20/3

Attending the WPNC conference

## WEEK 7

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

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 ...

26/3

**10h->11h**

Rethinking the status.

**11h->12h30**

Discussing possible status methods

**13h->15h**

Implementing the new status method



27/3

??

## WEEK 8

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

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

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)

- 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>