SNE-projects 2019-2020

Coordinator:
Cees de Laat
With help of os3 team!
Goals

• To gain practical experience
• To work on real problems in a foreign context
• To (re)gain collaboration skills
• To practice public presentation skills
• To practice data analysis and presentation skills
• To practice defending your solution to a problem
• To practice report writing skills
• To have a good time
Timeline

- Two project months
  - January
  - Presentations first week February
    - For us alone
    - Feedback
    - B1.23
  - June
  - Presentations First week July
    - In the auditorium with public
    - C0.110 or H0.01 or …
Per project month

- 4 weeks FULL TIME!
  - Week 1:
    - Familiarize
    - Make a concrete work proposal
  - Week 2-3
    - Do the work agreed on
  - Week 4
    - Write report
  - Week 5…
    - In case of RP2 June month also work/report
    - Presentation in Wednesday meeting
Subjects

- Organizations we have relationships with:
  - SURFnet
  - SURFsara
  - UvA - Ivi - OS3 - SNE
  - HvA, VU, etc.
  - SME’s
  - Others (inter)national (DELOITTE, KPMG, UNINET, etc.)

- Orientation in October, November, April, May

- Check end of November and in December!
  Be prepared to defend choice!

- When choosing subjects take into account the master courses given before the project months.
Work proposal

• Latest at Friday of first week
• Should contain
  – Updated description of the problem
  – Research questions
  – Literature / model / theory
  – Research & Experiments to be done
  – Planning
  – Ethical issues section
• Can be basis for report later!
Report

- Should contain
  - Description of the problem
  - Research question
  - Literature / model / theory
  - Research done
  - Experiments or proof of concept done
  - Evaluation of experiments or proof of concept
  - Reflection on Literature / model / theory
  - Ethical issues section
  - Conclusions and suggestions for further research
web link

- Web site:
  - http://rp.os3.nl
  - http://rp.delaat.net

- eMail:
  - rp@os3.nl ➩= Always!!!
  - delaat@uva.nl
  - If all else fails: cees@delaat.net
    (I could use a SNE master :-) )

- NOTE:
  - Always start subject line with rp# where # is the number of rp you have chosen!
  - Advantages: I can find email and do not have to search for rp number.
Some simple rules for selecting and completing RP: RP selection
You can select a RP from the entire list. Choose subjects that relate to courses already followed.
You can have no more than 2 re-sits from block 1 - 4 pending when you are choosing your RP subject.
Security track students have to choose for RP2 a subject with a clear security research focus.
Network track students have to choose for RP2 a subject with a clear systems and networks focus.
Part-time students have to choose RP2 in their 2nd year, preferably in June.
Preferably not the same organization for RP1 and RP2.
Your RP project can not be related to or supervised by your employer.

Working alone or in pairs
Preference for pairs because:
- Students can help each other when and gets stuck in a problem...
- investigate more solutions in parallel
- learn from each other
- each student must learn the same things in research and presentation
- Students working in pairs must be at same level (both RP1 or both RP2).
- Not the same pairs for RP1 and RP2, choose a different partner.
- At the presentations pairs get 25 minutes, singles get 20 minutes (may vary depending on amount of students).

Attendance
You must attend 4 consecutive weeks full-time on the project without other SNE or work obligations during that period.
You must make arrangements with your supervisor that you will be full-time present at their location or, if that is not possible, here at our SNE/UvA site (10:00-18:00).
You will notify the SNE core team about any absence beforehand.
You are not allowed to receive any financial compensation from the company you conduct your research at.

Feedback during RP
During both RP1 and RP2 a voluntary group meeting on the third Monday afternoon 16:00.
If that Monday is a holiday, that meeting will be on the third Tuesday.
Purpose: to exchange progress information and discuss potential or real encountered problems.

Fifth week
Presentation will be on Wednesday: Thursday and or Friday of fifth week
Report must be submitted by Friday of the fifth week
Extension in delivering a report is possible, ask for it.
Gradually week 5 of the RP in June is available to continue and finish research.

RP order
A student must successfully complete RP1 before starting RP2.
RP1 and RP2 can be done either in January or June.
If failed for RP2, it is allowed to redo a RP2 at any time.

Evaluation
The grade depends on a weighted average of four subgrades:
- 70% the research: at the subject
- 20% the report structure and layout
- 10% the presentation
- 10% the work at the location, the attitude, etc.
A student has passed if:
- The grade is equal or higher than 6.0
- The overall grade is equal or higher than 6.0
- All of the subgrades are equal or higher than 6.0
- If the overall grade is 5.5 or less the student must be able to explain with concrete results why the final grade will be 6.0.
- If the overall grade is 5.0 or less the student must present a proposal to correct the report. Correcting the report and better description of the research
- The grade is equal or higher than 6.0
- The overall grade is equal or higher than 6.0
- All of the subgrades are equal or higher than 6.0
The grade for work is obtained from the supervisor, advise of grade on research, presentation and report from supervisor is very much appreciated.

The sub-grades are typically averages and are not rounded at any time.
Grades are 6.0 or more but the research and/or report is less than 6.0, then you may be offered an opportunity
to use for evaluations at the presentations.
Grades are less than 4 and none of the sub-
grade is less than 4, then you must do a second RP.
If important request a confirmation and check if that does not come.

If disputes arise I decide
If you disagree ->
go to core team
goto core team
goto examin ctee
Process - 1

Selection
- Preferably do not choose subjects that will be covered in subsequent courses.

Working alone or in pairs
- Preference for pairs
  - Students can help each other when one gets stuck in a problem...
  - Investigate more solutions in parallel
  - Learn to collaborate
  - Contribution of each student must be clear in report and presentation
  - Sheer numbers and availability of topics
  - However, alone is not ruled out

- At the presentations pairs get 25 minutes, singles get 20 minutes.

Feedback during RP
- During both RP1 as RP2 a group meeting on the third Monday afternoon 16h00.
- Purpose is to exchange progress information and discuss potential or real encountered problems.

Fifth week
- Optionally week 5 of the RP in June is available to continue and finish research.
- Presentation will be on Wednesday, report must be submitted by Friday of the fifth week.

RP order
- A student must successfully complete RP1 before starting RP2.
- RP1 and RP2 can be done arbitrarily in January or June.
- If RP2 failed and is the only course left over, it is allowed to redo a RP2 at any time.
Evaluation

• The grade depends on a weighted average of four sub-grades
  – 40% the research on the subject
  – 20% the report structure and layout
  – 20% the presentation
  – 20% the work at the location, the attitude, etc.
Process - 2

Evaluation
- Advise from the supervisor about the research done on location.
- Advise on presentation and report is welcome.
- This information must be delivered by supervisor before end of fifth week.
- Report and presentation are evaluated by the OS3 team.
- Marks for presentation are determined before end of fifth week.
- Evaluation and if needed corrections of report can take up to 6 weeks (pending holidays in July).
- A student has passed if:
  - the grade is equal or higher than 6.0 and
  - none of the sub-grades is less than 4 and
  - the grade for report and research must be 6.0 or higher
  - the end grade averages resulting in 5.5 are always rounded to 6.0

Publication of results
- The marks will be mailed.

Colloquia
- We aim to schedule colloquia about research in computer science to give more context for the RP’s.

Communication
- All communication happens using email addresses from either OS3 or UVA.
Non Goals

• To be the default groups coffee maker
• To do trivial software installs
• To pull cables as main activity
• To sort out all software cd’s
• Etc. etc. etc.
Have fun!

Questions?