

# Network Services and Systems

## Master thesis project in Swedish: Exjobb



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# *Master thesis in general*

- 30 ECTS, ca. 6 months
  - at a company, at KTH, or at another university, in Sweden or abroad
  - 100% of your time
  - no given times for start or to finish
- Requirements
  - 60 ECTS completed course work to start, but we advise you to take all your courses before you start your master thesis project.
  - written thesis, oral presentation
  - during the project
    - attendance of 2 project presentations
    - review of another master thesis
- Grading (Pass/Fail)
  - scientific or technical content
  - presentation skills: written report and oral presentation
  - process: independence, responsibility, willingness to learn, deadlines (!)
  - note: if you disappear, your thesis can be terminated

# *Master thesis - process*

- Actors:
  - Student
  - KTH examiner, KTH advisor (can be the same person)
  - External project: external advisor
- Reasonability:
  - Student's responsibility to find project and to find examiner/advisor
- First step: find a project that fits the NSS program
  - Related to the courses you took
  - Ha scientific content

## *Master thesis - process*

- Find a project that fits the NSS program – where to look?
  - At KTH: <http://www.kth.se/en/samverkan/exjobb/studententer>
  - Company webpages: Ericsson, ABB, Scania, SICS, ACREO (these last two are research institutes)
  - Personal web pages at KTH
  - Maybe school / program webs
  - Personal contact
  - **Advantage: good grades, proved interest**

# Master thesis - process

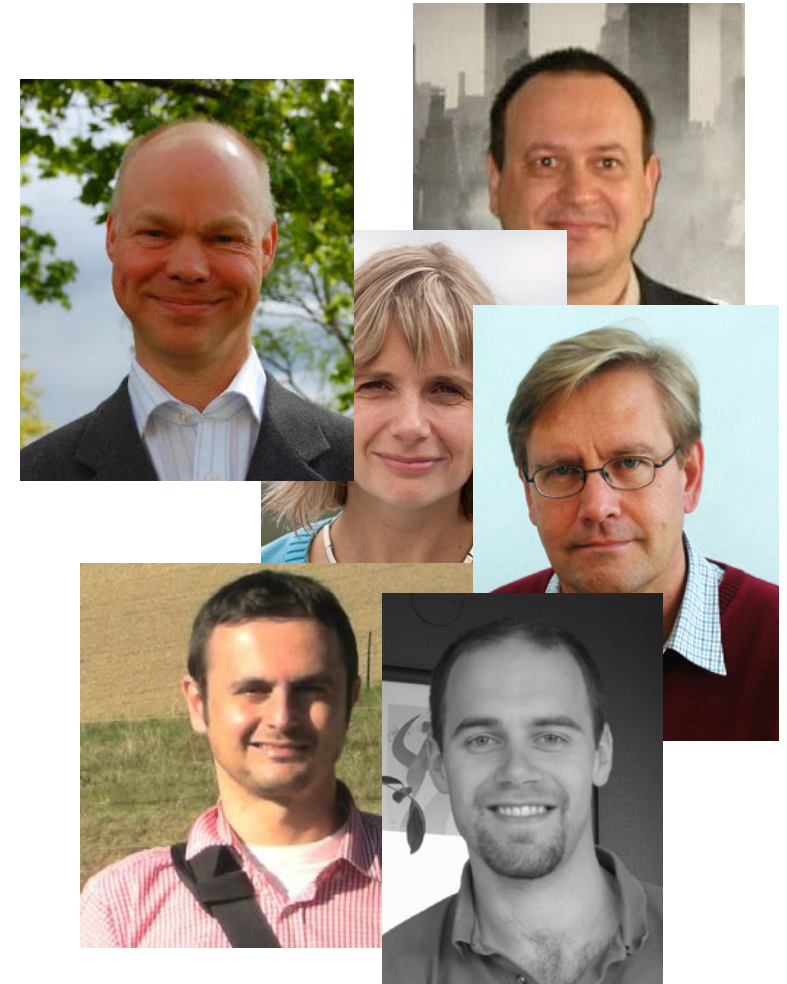
- Check whether the project is acceptable for NSS
  - If examiner is not from LCN send me (vfodor@kth.se) a mail with the project description (including examiner and industry contact), so I can evaluate whether it is acceptable for the program
- Find examiner
  - Internal at KTH: advisor and examiner already assigned to the project
  - External (industry or other university): you need an examiner from KTH
    - Already given in the project description
    - If not: you have to find one. Contact a professor you know from your program who you think has the right expertise, or ask for my help.
- Do not start an external project without an examiner from KTH!
  - Confidentiality issues. The thesis report needs to be public!
- If you got a project abroad, talk to the Student Office
  - Travel grants, insurance

# *Master thesis - process*

- Application material:
  - When you apply for a project: send transcripts and CV, emphasize what you are good at and show interest!
  - When you look for an examiner for an external project: send transcripts, CV, project description, contact details of external advisor
- Delays:
  - If you can not work on the project in full time – talk to your advisor and examiners!
- Problems on the way in external projects:
  - Contact KTH examiner
- Administration – Application for degree project form (TNSSM webpage):
  - Fill in and submit first page to Cristina
  - Second page filled in at project start, examiner submits the form

# *Master thesis projects at LCN/Haninge*

- Prof. Gunnar Karlsson
  - Podcasting
- Prof. Rolf Stadler
  - Network management
  - Cloud computing
- Associate Prof. Viktoria Fodor
  - Wireless mesh networks
  - Cognitive radio networks
- Associate Prof. Panagiotis Papadimitratos
  - Network security
- Associate Prof. György Dán
  - Content distribution, game theory
- Associate Prof. Thomas Lindh
  - Sensor networks for health applications



Students with very good grades are welcome to contact us and ask for specific research topics or industrial contacts.