

T-110.5291
Seminar on Network Security
2011

Today's agenda

1. Overview and organization
2. English course
3. Course theme
4. Project topics
5. Timetable
6. Signing up for the course
7. First draft, full draft, final paper
8. What is a good seminar paper?

Overview

- T-110.5291 Seminar on Network Security P (5 cr)
- **Final-year Master-level** course
- Students write a technical paper (~5-8 pages)
 - format of a technical or scientific conference publication
- Requirements:
 - writing the paper
 - presentation on the seminar day
 - acting as opponent for another student
 - mandatory course feedback
- **Tutor** for all students
- **Individual work**, no groups
- Max ~25 participants by application

Organization

- Responsible teacher: **Tuomas Aura**
- Course assistant: **Sandeep Tamrakar**
- All course material will be in **Noppa**
- Email alias: **t-110.5291@tkk.fi**
- **Optima** for paper and comments submission
- **Integrated English course Kie-98.1310 (3cr)**

English course

- Integrated English course Kie-98.1310
 - Jan-Mikael Rybicki
 - Tuesday and Thursday mornings 8:30-10
 - See seminar Noppa page for details
 - Mandatory for Mobile Computing and NordSecMob students
 - Highly recommended for everyone
- Alternative English support
 - Roger Munn, 2 x ~1 h/student, no study credits
 - 10 Oct and 04 Nov, 09-12 T5
 - Very strongly recommended for those not participating in the integrated course
- No excuses for bad English if you don't take one of these!

Course theme 2009

- Security and privacy in the evolving Internet
- Many ongoing changes in the Internet:
 - Applications develop faster than infrastructure
 - Cloud computing, mobile apps
 - Social networking
 - Future Internet technologies, wireless access
- How security and privacy requirements and technologies will change

Topic introductions

- Topics list in **Noppa**
 - Doctoral students should propose their own topic
 - Master students are better off taking a topic from the list
 - Must find a tutor anyway
- Tutors: please introduce yourself first, then use 1-2 minutes on each topic

Timetable (in Noppa)

Date	Description
Mon 5.9., 16:15-19:00	First course meeting. Presentation of the topics.
Fri 9.9.	Deadline for signing up for the course
Mon 12.9	Accepted students and their topics are announced.
Thu 29.9., Midday	Deadline: First Draft submission
Fri 7.10	Feedback from your tutor
Thu 20.10, Midday	Deadline: Full draft submission
Fri 4.11, Midday	Deadline: Opponent comment submission
Fri 4.11	Feedback from your tutor
Thu 24.11 Midday	Deadline: Final paper submission
Mon 28.11	Seminar proceedings compiled for printing and online
Mon 28.11, 16:15-18:00	Second course meeting.
Thu 1.12, Midday	Deadline: Presentation slide submission
Fri 9.12, Full Day 08:15 - 16:00	Seminar day, presentations
Fri 16.12, Midday	Deadline: opponent comment submission
Fri 16.12	Grade suggestions and feedback from tutors

Signing up for the course

- Students sign up by sending an **application** to t-110.5291@tkk.fi
 - Your name and student number in the subject line
 - Given name, family name
 - Student number
 - E-mail address
 - Your Aalto University account username (for Optima account)
 - Participation in the integrated English course Kie-98.1310 (Yes/No)
 - Your major and minor (or MSc program)
 - Your transcript of completed courses
- BSc and exchange students: discuss with Tuomas Aura before signing up

First draft (29.9.)

- **Outline**: logical and makes a point (a message, central theme, focus, something to say)
- At least **one page of text** (readable English)
- **Key references**
- Use the course template and **Latex and Bibtex**
- Tutors should help especially with the outline and finding good references

Full draft (20.10.)

- 5-8 pages using the Latex template
- Most of the text and main ideas written, structure close to final
- References: original or authoritative, relevant, correct, up-to-date
- One week later, deadline for tutor and opponent comments

Contents of a good seminar paper

- Makes a small **contribution** to technical or scientific knowledge
 - **Original work** with the student's own idea, analysis, evaluation, comparison, summary, example, experiences etc.
- **The reader learns something**
- Uses **diagrams** and **examples**
- Covers a wide area extensively or a smaller area in depth
- **References to high-quality scientific literature and authoritative technical sources**

Format of a good seminar paper

- **Readable** and correct English
- **Neutral and objective** style suitable for scientific and technical writing
- **Structure** of a conference paper: abstract, introduction, background, body sections, conclusion, references, (appendices)
- Correct and sufficient in-text citations to **acknowledge sources**; correct and consistently formatted references

Cut and paste? – just don't!

- Do not cut and paste text or images from the web or somewhere else
- Do not cut and paste even if you plan to change it later
- Do not rewrite somebody else's text sentence by sentence
- Clearly mark quotations, for example:
 - *According to Smith, "uncertainties include fuzzyness an randomness" [14].*
 - *The structure this this section follows closely Smith al. [15].*
 - You can quote images but better draw clearer ones yourself
- Anyone found copying even a small amount of someone else's work will fail the course and may face further disciplinary action

Questions?