T-110.5190
Seminar on Internetworking

T-110.5190@tkk.fi

Aalto University

School of Science

Agenda

- Course Organization

- Course theme

- Important dates

- Signing up

- First draft, full paper, final paper

- What is a good seminar paper

- Course Topics

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Course Organization

- Responsible teacher: Antti Ylä-jääski

- Course assistant: Sandeep Tamrakar

- Course materials can be found in **Noppa**

- Contacting course staff via email: T-110.5190@tkk.fi

- Paper and comment submissions: **Optima** workspace

- English course: Roger Munn

  - Attendance is mandatory for KIE-98.1700 (1cr)

Course Overview

- T-110.5190 Seminar on Internetworking P (4 cr)

- MSc-level course

- Students write a technical paper (~7 pages)

  - Format of a technical or scientific conference publication

- Requirements:

  - Writing the paper (60%)

  - Presentation in a two-day seminar (25%)

  - Acting as an opponent for another student (15%)

- Individual work, no groups

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Course theme 2011

- Recent Developments in the Internet

- Topic area:

  - Cloud computing

  - Interactive social networks and services

  - Green ICT and energy efficiency in the Internet

  - Future Internet

  - Emerging new business models.

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Important dates

- Introductory Meeting: **Mon 17.1. 16-19 in T2**

- Course Sign up: **Thu 20.1**

- Assigned Topic announcement: **Mon 24.1**

- First Draft: **Wed 9.2, 16:00**

- Full Paper: **Wed 16.3, 16:00**

- Final Paper: **Wed 20.4, 16:00**

- Second Course meeting: **Mon 2.5 16-18 in T2**

- Seminar days: **Wed 11.5 – Thu 12.5 (2 days)**

- Detail course schedule can be found in
  https://noppa.tkk.fi/noppa/kurssi/t-110.5190/detailed_schedule

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Signing up

- Send email application to T-110.5190@tkk.fi

    - With your name and student no as subject.

    - And all the required information in the email.

- See Noppa page for signing up instructions.

    https://noppa.tkk.fi/noppa/kurssi/t-110.5190/sign_up

First draft (Wed 9.2)

- Not just filling one page with introduction and background

- Should contain a logical structure and outline

- Should contain at least:

  - Detail problem space (why are you doing this research)

  - Your research focus (What are you going to focus on: new contribution, survey, analysis of technologies, comparison etc)

  - Your approach in brief

  - Key references

- Use Latex and bibtex

- Tutors should help especially with the outline and finding good references.

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Bad example

3   What is Cloud Computing

This section talks about cloud computing's conception.

4   New risks for cloud computing

 This section discusses new risks of cloud computing

5   Comparison of different system

 In this section we compare different systems.

Bad example

3   What is Cloud Computing

This section talks about cloud computi

• At least give brief introduction
• Point out key technologies
• List different systems available

• At least list some of the risks involved

4   New risks for cloud computing

This section discusses new risks of cloud computing

5   Comparison of different system

In this section we compare different sy

• List which systems you are going to compare.

Bad example: References

References

[1] Facebook.

[8] Marty Humphrey,Mary R. Thompson. *Security Implications of Typical Grid Computing Usage Scenarios.* February 2009. Computer Science Department,University of Virginia. Distributed Security Research Group,Lawrence Berkeley National Laboratory. `http://www.google.es/url?sa=t&source=web&cd=5&ved=0CDkQFjAE&url=http%3A%2F%2Fciteseerx.ist.psu.edu%2Fviewdoc%2Fdownload%3Fdoi%3D10.1.1.18.6721%26rep%3Drep1%26type%3Dpdf&rct=j&q=Grid%20Computing%20Security%`

[11] Y. Zhao, M. Wilde, I. Foster, J. Voeckler, J. Dobson, E. Gilbert, T. Jordan, E. Quigg. . *Virtual Data Grid Middleware Services for Data-Intensive Science.* 2005. `http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.102.3574&rep=rep1&type=pdf.`

Bad example: References

References

Use as footnotes

[1] Facebook.

[8] Marty Humphrey,Mary R. Thompson. *Security Implications of Typical Grid Computing Usage Scenarios.* February 2009. Computer Science Department,University of Virginia. Distributed Security Research Group,Lawrence Berkeley National Laboratory. `http://www.google.es/url?sa=t&source=web&cd=5&ved=0CDkQFjAE&url=http%3A%2F%2Fciteseerx.ist.psu.edu%2Fviewdoc%2Fdownload%3Fdoi%3D10.1.1.18.6721%26rep%3Drep1%26type%3Dpdf&rct=j&q=Grid%20Computing%20Security%`

[11] Y. Zhao, M. Wilde, I. Foster, J. Voeckler, J. Dobson, E. Gilbert, T. Jordan, E. Quigg. . *Virtual Data Grid Middleware Services for Data-Intensive Science.* 2005. `http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.102.3574&rep=rep1&type=pdf.`

[8] Marty Humphrey,Mary R. Thompson. *Security Implications of Typical Grid Computing Usage Scenarios.* February 2009. Computer Science Department,University of Virginia. Distributed Security Research Group,Lawrence Berkeley National Laboratory. `http://dx.doi.org/10.1023/A:1015621120332.`

[11] Y. Zhao, M. Wilde, I. Foster, J. Voeckler, J. Dobson, E. Gilbert, T. Jordan, E. Quigg. . *Virtual Data Grid Middleware Services for Data-Intensive Science.* 2005. `http://dx.doi.org/10.1002/cpe.968.`

Full paper (Wed 16.3)

- 5-7 pages using the latex template

- Key ideas written, most of the sections completed, and structure close to final.

- References: original or authoritative, relevant, correct and up-to-date.

- Close to complete is more beneficial (crucial feedback)

- Within a week, tutor and opponent provides comments and feedback.

Final paper (Wed 20.4)

- 5-7 pages

- Structure of a technical conference publication, using the course latex template.

- Correct and readable English text

- Correct citations and sufficient references.

Contents of a good seminar paper

- Small contribution to technical or scientific knowledge

  - Original work

    - Student's own idea, analysis, evaluation, comparison, summary, examples, experiences etc.

- The reader learns something

- Uses diagrams and examples to explain complex ideas, systems

- Covers a wide area extensively or a smaller area in depth

- Helpful references to high-quality scientific literature and authoritative technical sources.

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Format of a good seminar paper

- Readable, correct and easy to follow language

- Neutral and objective style suitable for scientific and technical writing.

- Structure of a conference paper:
Abstract, Introduction, Background, Body sections, Conclusions, references, (appendices)

- Correct and sufficient in-text citations to acknowledge sources; correct and consistently formatted references

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Strictly do not Cut and paste

- 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

- Anyone found copying even a small amount of someone else's work will not only fail the course but may also face further disciplinary action

- Every submission must include the following statement: " This submission is my own work and does not include any material produced by others, except when clearly marked as such."

Topic introduction

- Topics are listed in the Noppa.

- Tutors will introduce themselves and their topics in first lecture.

- Possibility to propose your own topic, however that may not always produced a good result.

  - Need a tutor

  - Agree with the course teacher.

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Thank you

Questions ?