SEMINAR: MOBILE DATA ANALYTICS

Seminar overview

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Spring 2016, Seminar code 582519, 3 credits
Outline

1. Summary from last week
2. Topic discussion
3. Report
4. Next week agenda
1. Summary from last week

2. Topic discussion

3. Report

4. Next week agenda
SUMMARY FROM LAST WEEK

Objectives

- To read, review, write and present a technical report
- To be confident working on mobile data analytics related topics

Mobile data analytics

- Networking-related
  - Edge analytics, edge computing, edge cloud, cyber-foraging, fog computing, mobile cloud computing
- Analytics-related
  - Crowdsourcing, crowdsensing, mobile sensing, pattern recognition
## Schedule

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<th>Agenda</th>
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<tr>
<td>22.1</td>
<td>Overview of seminar, course requirements, grading policy, paper discovery, schedule</td>
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<td>29.1</td>
<td>Report template, discussion on selected topics, selecting papers to read</td>
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<td>Break</td>
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Summary from last week

Topic discussion

Report

Next week agenda
List of Topics

1. Security and privacy for mobile data analytics
2. Crowdsensing
3. Cyber-foraging and data analytics
4. Cloudlets
5. Fog computing
6. Storage and transportation of mobile data
7. Edge computing
8. Edge-cloud
9. Mobile cloud computing
10. Edge analytics
11. Minimizing energy requirements of mobile data analytics
12. Mobile data authenticity
13. Environmental monitoring with mobile data
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• Write a report using the provided \LaTeX{} template (7-8 pages)
• Counts for 40% of the grade
• Requires a good list of references (> 10) from reknown journals, conferences or workshops
CONTENT OF YOUR REPORT

• Description of the topic
  ▶ Why is the topic important?

• The main approaches in the literature
  ▶ Find out the main ideas/arguments of the papers
  ▶ Find out possible directions to extend the works
1. Summary from last week
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NEXT WEEK AGENDA

Don’t forget to register to Moodle!

- 30 minutes keynote video
- Discussion on the video
- Discussion on topics