SEMINAR: MOBILE DATA ANALYTICS
Lecture 4

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Spring 2016, Seminar code 582519, 3 credits
1. Summary from last week
2. Reviewing and writing papers
3. Tactical cloudlets
1. **Muhammad Haris**: An efficient architecture approach for Mobile Cloud Computing

2. **Pekka Enberg**: Leveraging applications performance with Fog Computing

3. **Nitinder Mohan**: Enabling large scale computation tasks with edge and fog computing

4. **Hassan Abbas**: Challenges and solutions to mobile data authenticity


6. **Pengyuan Zhou**: Edge cache strategies based on mobile data analytics

7. **Yu Zhang**: Minimizing energy requirements of mobile data analytics
8. **Bidur Raut**: *Environmental control through Crowdsensing*
9. **Suleyman Akbas**: *Crowdsensing Applications in Health*
10. **Mathias Keus**: *Energy efficient sensing with collaborative sensing*
11. **Kalle Lammenoja**: *Security and privacy in mobile data analytics*
12. **Rupsha Bagchi**: *Moving data analytics from the cloud to the edge*
13. **Aaro Lehikoinen**: *Cyber-foraging solutions for on-site mobile data analytics*
14. **Nishadh Aluthge**: *Overcoming the challenges of mobile crowdsensing*
<table>
<thead>
<tr>
<th>Date</th>
<th>Agenda</th>
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<tbody>
<tr>
<td>Today</td>
<td>Video on tactical cloudlets</td>
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<tr>
<td>→ 4.3</td>
<td>TBA</td>
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<tr>
<td>11.3</td>
<td>Break</td>
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<tr>
<td>18.3</td>
<td>Presentations: (1) Pengyuan, (2) Rupsha and (3) Pekka</td>
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<td>25.3</td>
<td>Holidays</td>
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<td>1.4</td>
<td>Deadline for submitting reports &amp; Presentations: (1) Suleyman, (2) Kalle and (3) Niko</td>
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<td>8.4</td>
<td>Presentations: (1) Nishadh, (2) Mathias, (3) Aaro and (4) Nitinder</td>
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<td>15.4</td>
<td>Deadline for submitting reviews &amp; Presentations: (1) Yu, (2) Muhammad, (3) Bidur and (4) Hassan</td>
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<td>22.4</td>
<td>Discussions on reviews</td>
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REVIEWING A PAPER

- What are the key take aways? 1-2 sentences.
- What are the strengths? Why? 3-5 sentences.
- What are the main weaknesses? Why? 3-5 sentences.
- Which ideas do you see for future work? 3-5 sentences.
- Why do you like/dislike this paper? 1-2 sentences.
Objectives

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

• 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
COMPONENTS OF YOUR REPORT

• Title
• Abstract
• Introduction
• Key details of your work
• Discussion and future work
• Conclusion
• References
COMPONENTS OF YOUR REPORT

- Title
  - Summarize your paper in one sentence
- Abstract
- Introduction
- Key details of your work
- Discussion and future work
- Conclusion
- References
COMPONENTS OF YOUR REPORT

• Title
• Abstract (use 4 sentence/answer technique [Kent Beck])
  1. What is the problem?
  2. Why is this problem important?
  3. What does your solution achieve?
  4. What follows from your solution?
• Introduction
• Key details of your work
• Discussion and future work
• Conclusion
• References
COMPONENTS OF YOUR REPORT

- Title
- Abstract
- Introduction (5 paragraph/answers technique [Kurose])
  1. What is the problem area, and why is it important?
  2. What is the specific problem considered?
  3. What are the main contributions given the context established by previous paragraphs?
  4. The paper outline (preferably made inline with previous paragraphs)
- Key details of your work
- Discussion and future work
- Conclusion
- References
COMPONENTS OF YOUR REPORT

- Title
- Abstract
- Introduction
- Key details of your work
  - Analyze of related work
- Discussion and future work
- Conclusion
- References
https://www.youtube.com/watch?v=Ef3bzWbIORY[1]

Tactical cloudlets: Moving cloud computing to the edge.
In IEEE Military Communications Conference (MILCOM),