SEMINAR: MOBILE DATA ANALYTICS

Lecture 5

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Spring 2016, Seminar code 582519, 3 credits
1. Summary from last week
2. Reviewing papers
3. Reminders
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3. Reminders
<table>
<thead>
<tr>
<th>Date</th>
<th>Agenda</th>
</tr>
</thead>
<tbody>
<tr>
<td>Today</td>
<td>Review of paper &amp; Discussions</td>
</tr>
<tr>
<td>→ 4.3</td>
<td>TBA</td>
</tr>
<tr>
<td>11.3</td>
<td>Break</td>
</tr>
<tr>
<td>18.3</td>
<td>Presentations: (1) Pengyuan, (2) Rupsha and (3) Pekka</td>
</tr>
<tr>
<td>25.3</td>
<td>Holidays</td>
</tr>
<tr>
<td>1.4</td>
<td>Deadline for submitting reports &amp; Presentations: (1) Suleyman, (2) Kalle and (3) Niko</td>
</tr>
<tr>
<td>8.4</td>
<td>Presentations: (1) Nishadh, (2) Mathias, (3) Aaro and (4) Nitinder</td>
</tr>
<tr>
<td>15.4</td>
<td>Deadline for submitting reviews &amp; Presentations: (1) Yu, (2) Muhammad, (3) Bidur and (4) Hassan</td>
</tr>
<tr>
<td>22.4</td>
<td>Discussions on reviews</td>
</tr>
</tbody>
</table>
1. Summary from last week
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REVIEWING A PAPER

- Describe the topic in your own words. 1-3 sentences.
- 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.

Exercise

- Apply the methodology to the paper “Toward interoperability for the Internet of Things with meta-hubs”
- Time: 45 minutes. Submit report on paper or via Moodle
REVIEW OF THE SELECTED PAPER

- Describe the topic
- What are the key take aways?
- What are the strengths? Why?
- What are the main weaknesses? Why?
- What would you do differently? Why?
- Which ideas do you see for future work?
- Why do you like/dislike this paper?
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- What are the key takeaways?
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PROCESSING FEEDBACK FROM REVIEWERS

• Is my topic relevant to the scope of the publication media?
  ▶ Is it still relevant?
• Were the points listed by the reviewers relevant?
  ▶ How to address them efficiently?
• What would I change in my opinion to my own text?
CURRENT VERSION OF IoT HUB & META-HUBS

Novelties

- Feeds are now of three kind:
  - Atomic feeds (linking physical sensor) via JS plugins to the hub
  - Composed feeds (like in the paper version)
  - Executable feeds (expose the VM to remote hubs)

- Meta-hubs are fairly similar, but exposes also the JS plugins as well as applications

- Implementations are made at UH, in Java, Android and Node.js

Application to mobile data analytics

- How could it be used to do mobile data analytics?
- What would you add to the platform?
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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)
  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

¹http://www-net.cs.umass.edu/kurose/writing/intro-style.html
COMPONENTS OF YOUR REPORT

- Title
- Abstract
- Introduction
- Key details of your work
  - Analyze of related work
- Discussion and future work
- Conclusion
- References