Self-healing systems
seminar meeting 6

Tiina Niklander
## Presentation order

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.3</td>
<td>Kemppainen: Biology-inspired self-healing system design</td>
</tr>
<tr>
<td></td>
<td>Kaukonen: Self Evolving systems</td>
</tr>
<tr>
<td>21.3</td>
<td>Bachmayer: Artificial Immune Systems</td>
</tr>
<tr>
<td></td>
<td>Vuori: A component-based architecture for self-healing systems</td>
</tr>
<tr>
<td></td>
<td>Siddiqi: Configuration-level adaptation</td>
</tr>
<tr>
<td>28.3</td>
<td>Karlstedt: Dynamic upgrade of software</td>
</tr>
<tr>
<td></td>
<td>Ding: Recovery-oriented computing</td>
</tr>
<tr>
<td>4.4</td>
<td>Ruottu: Crash-only components in self-healing systems</td>
</tr>
<tr>
<td></td>
<td>Tuohenmaa: Hot-swapping in self-healing environment</td>
</tr>
<tr>
<td>11.4</td>
<td>Lanthaler: Self-healing wireless sensor networks</td>
</tr>
<tr>
<td></td>
<td>Onduto: Self-healing communities</td>
</tr>
<tr>
<td>18.4</td>
<td>Pundamale: Survivable networks</td>
</tr>
<tr>
<td></td>
<td>Kankaanpää: self-optimization in autonomic systems</td>
</tr>
<tr>
<td>25.4</td>
<td>Metso: how to prevent failure of the healing mechanism</td>
</tr>
</tbody>
</table>
About grading

Paper:
- Scale 1-5, makes 50% of the final grade
- I value
  - own work, even if it is based on articles
  - clarity, correct level of writing
- COPYING IS NOT ALLOWED!
  - if this happens, I am forced to initiate a discipline procedure, which in the worst case might lead to expel from the university.
  - This can be done even much after you have ‘passed’ the seminar.
About grading

- Presentation
  - Scale 1-5, makes 30% of the final grade
  - I value
    - Structure
    - That you have a ‘story line’
    - Usage of slides (do not write them full of text)
  - You can use data projector, chalk board or transparencies - the way you see most suitable to your presentation
Active participation:

- So far no big complains
  - some reviews (emails) missing!
- The reviewing is one item in this and
- Study diaries is the other
Study diaries

- Write few sentences based on each presentation
  - How they relate to your own work
  - What was interesting
- Order the presentations. You can even grade them if you want, but ordering is enough.
- Submit to Tiina (on paper or via email) before May.
- Total length: 1 to 2 pages is enough. Can be even 5 pages, if you like to write a lot.
Tiina’s observations

- Layout
- References
  - Please use them – mark locations
  - Give full bibliographical information about the papers in the reference list
- Write to the other students
  - You need not show your own expertise
  - Instead explain so that the reader can learn the topic
- Figures
  - You need to explain them in your text
  - If copied from somewhere please make the reference
Here are the overviews and numbers.

You will receive by mail these and the more detailed information attached with the numbers.

These are not in the printed version.