Abstract

The architecting method is evaluated by means of experiences in research projects, in workshops and in courses. This evaluation complements the evaluation of the architecting method by means of the medical imaging case.
Overview of other evaluation sources

case

architecting research

method trial

large industrial project
>100 man

industry as laboratory

evaluation of architecting method by diverse sources

architecting research

method trial

small research project
<10 man

trial in research environment

architecting research

method trial

large industrial projects
>100 man

feedback from courses

method trial

course setting

large industrial project
>100 man

feedback from workshop

architecting research

method as framework

workshop setting

large industrial project
>100 man
Architecting submethods used in research projects

- family asset management
- project infrastructure platform
- heart-care
- platform for portable multimedia
- SW productivity for AV systems
- composable architectures

research projects
# Workshop subjects and program template

<table>
<thead>
<tr>
<th>intro</th>
<th>session 1</th>
<th>session 2</th>
<th>session 3</th>
<th>wrap up</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>group analysis</td>
<td>plenary report</td>
<td>group analysis</td>
<td>plenary report</td>
</tr>
</tbody>
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9:00 - 17:00
Workshop approaches

**top-down**

- session 1
- session 2
- session 3

**bottom-up**

- session 3
- session 2
- session 1

**Customer objectives**

**Application**

**Functional**

**Conceptual**

**Realization**

**Exploration**

- session 1
- session 2
- session 3
Hysteresis due to latency in viewpoint change

- Customer objectives
- Application
- Functional
- Conceptual
- Realization

**Evaluation from a Wider Context**

Gerrit Muller

version: 1.3
June 21, 2020
AREOfynteresis
SARCH course exercises

multi-media case

role play  
(no method)

toolkit

story to design

case based on participants context

requirements  
key driver

role of SW  
multi-view

board of management  
multi-view

Evaluation from a Wider Context

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AREOcourses
Conclusions

1. The product is a commercial success.
2. The product family is sustainable and commercially successful.
3. Architects benefit from deploying submethods in the multi-view framework.
4. Project leaders, product managers, and engineers are able to use the outcome of the submethods.

<table>
<thead>
<tr>
<th>submethods</th>
<th>CA</th>
<th>F</th>
<th>CR</th>
<th>integration of the method</th>
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</thead>
<tbody>
<tr>
<td>qualities checklist</td>
<td>✓</td>
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<td>multi-view framework</td>
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<td>story telling</td>
<td>✓</td>
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<td>reasoning</td>
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<td>iteration speed required</td>
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</tbody>
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Project focus: more attention for customer needs

Legend:
- OK
- doubt

Evaluation from a Wider Context

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AREOconclusions