

File 20100824.1044: Notes from lecture:

‘An Approach to Method–Tool Coupling for Software Development’ in RSL. (Hermann Kaindl, Jürgen Falb, Stefan Melbinger, and Thomas Bruckmayer).

‘On the Derivation of Class Diagrams from Use Cases and Logical Software Architectures’ (Maribel Yasmina Santos).

‘CRUD-DOM: A Model for Bridging the Gap between the Object-Oriented and the Relational Paradigms’

‘Do the Software Architects Get the Needed Support for the Job They Perform?’[1].

Authors are from Croatia. Two-year case study in a software development organisation with > 20 architects of different experience and in different locations.

Action research cycle methodology (participatory method). Results:

1. Most architects do not have the time and all the necessary skills.
2. People prefer to look for support from personal network services rather than from electronic networks (informal communications).
3. Time zone differences lead to limited times when team members can communicate synchronously; geographic separation leads to lack of awareness or even of the existence of other team members.
4. Communities of like-minded individuals help integrate newcomers into the project (c.f. Brooks’ Laws).
5. All conflicts must be resolved before the blame game starts.

No interviews or surveys were conducted. Data gathering was from five years of personal experience, working with these architects on large projects.

References

- [1] Krešimir Popovic, Željko Hocenski, and Goran Martinovic. Do the software architects get the needed support for the job they perform? In *Proceedings of the Fifth International Conference on Software Engineering Advances (ICSEA 2010)*, Nice, France, 22–27 August 2010.