## An Aspect-Oriented Adaptation Framework for Dynamic Component Evolution

by Javier Camara, Carlos Canal, Javier Cubo, Juan Manuel Murillo http://portal.acm.org/citation.cfm?id=1276828

This article provides a brief summary of a strategy that can be used to design a dynamic adaptation management framework - i.e. a system that can automatically integrate components that enter the context of its execution at runtime. Figure 1 on page 4 shows an illustration of the proposed framework. The Interface Manager inspects components as they enter the context of the system and keeps references to them via a repository. The Adaptor Manager keeps track of mappings between classes - these mappings are produced dynamically the first time there is any communication between a particular set of classes. The Coordination Manager manages the sessions that are created for each "conversation" between classes. The authors propose using aspects to achieve this functionality since such an approach would allow for the necessary functionality to be weaved in and out of the code execution as needed.

This is an interesting approach to dynamic component evolution, but we don't need anything nearly this advanced for ISVis especially since we already know the details of the evolution we are trying to achieve.

## Reference:

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