



INFORMATIQUE, SIGNAUX ET SYSTÈMES
DE SOPHIA ANTIPOLIS
UMR6070



Composition & Variability`2010

First International Workshop on

Composition: *Objects, Aspects, Components, Services and Product Lines*

15 March 2010

To be held in conjunction with

**The 9th International Conference on Aspect-Oriented Software Development
([AOSD.10](#))**

Rennes & Saint Malo, France

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Preface

Separation of concerns is an interesting design concept which is more or less addressed in various paradigms objects, aspects, components and, services in order to achieve software reusability and adaptability. Composition of these concerns is a key issue in software development.

The goal of the workshop is to bring the researchers to discuss on software composition according the paradigm which is used, the degree of dynamicity, the stage in the software life cycle, the application domain and the software variability. More generally, the unique contribution of this workshop is to view composition as it is impacted by several points of variation associated for example to the context of reuse, the time of composition or the business domain.

Composition can be applied in particular on Objects, Aspects, SOA, Component-Based architectures and may address various phases of the development process such as: GUI, design, programming, deployment, and maintenance. We have been particularly interested in having contributions dealing with any combination of a topic taken in “*Composition and paradig* ” and “*Composition and product line*” in order to get a view of the composition process colored with variability issues.

We had eleven submissions and the program committee selected only seven of them on the basis of novelty, relevance to the AOSD community, and adequacy to workshop objective. According to the papers which had been selected the workshop will address in particular the following topics:

- ✓ Dynamic (re) configuration, adaptation and composition,
- ✓ Language features for composition and Software Product Lines.

The proceedings are printed as an internal report of the I3S Laboratory¹ and will be included as the Vol-564 on CEUR-WS.org. They may be reached at <http://CEUR-WS.org/Vol-564/>.

On behalf of the organizing committee

¹ Internal reports may be reached at the URL : <http://www.i3s.unice.fr/I3S/>

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List of accepted papers

- ❖ Tom Dinkelaker, Ralf Mitschke, Karin Fetzter and Mira Mezini. *A Dynamic Software Product-Line Approach using Aspect Models at Runtime.*
- ❖ Fredrik Sørensen, Eyvind W. Axelsen and Stein Krogdahl. *Dynamic composition with package templates.*
- ❖ Bholanathsingh Surajbali, Paul Grace and Geoff Coulson. *ReCycle: Resolving Cyclic Dependencies in Dynamically Reconfigurable Aspect Oriented Middleware.*
- ❖ Tom Dinkelaker, Martin Monperrus and Mira Mezini. *Supporting Variability with Late Semantic Adaptations of Domain-Specific Modeling Languages.*
- ❖ Wilke Havinga, Christoph Bockisch and Lodewijk Bergmans. *A Case for Custom, Composable Composition Operators.*
- ❖ Christoph Bockisch and Andreas Sewe. *Generic IDE Support for Dispatch-Based Composition.*
- ❖ Stefan Walraven, Bert Lagaisse, Eddy Truyen and Wouter Joosen. *Aspect-Based Variability Model for Cross-Organizational Features in Service Networks.*