International Workshop on Comparison and Versioning of Software Models (CVSM 2014)

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The International Workshop Series on Comparison and Versioning of Models brings together scientists and practitioners in the field of model versioning. Particularly technologies like model comparison and differencing, model patching and model merging are addressed. Subtopics of interest include, but are not limited to, differences between models, recognition of user operations in differences, merging and patching of models, versioning for meta models, quality aspects of model merging and patching, formal approaches to variant management, visualization of model differences and applications of model differences in Software Engineering. All mentioned topics and technologies are indispensable to support model-based development methods and a significant number of algorithms and tools in this area have been developed in the last decade. Still, good model versioning tools seem to be unavailable in many practical contexts. Existing prototypes appear to have been used mainly by ``innovators'' or ``early adopters'' of the new technology. The extent in which state-of-the-art tools are meeting, or not meeting, practical requirements and the reasons of any deficiencies are not well documented. This workshop aims at collecting and consolidating experience gained in this new technology, at distinguishing unresolved from solved questions, at identifying reasons why questions have remained unsolved, and at identifying new technical challenges which emerged after first practical applications.

Furthermore, CVSM'14 has a special focus on the advances of the community benchmark set which has been initiated in the last issues of the workshop series. The benchmark sets aim at comparing model differencing approaches with respect to coverage of requirements, performance or tool integration issues. To this end, several benchmarks are made available on the workshop website. Developers of model comparison and differencing tools are invited to present the differences reported by their algorithms, to compare them with the expected differences as specified in the benchmark and to discuss, if applicable, the effort needed to configure the algorithms.

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