

## Preface

Patterns in Model Engineering was held as part of *Software Technologies: Applications and Foundations* 2015 in L'Aquila, Italy, in July 2015.

The field of Model-Driven Engineering (MDE) has evolved tremendously since its early stages in 2002. Current development activities in MDE span different techniques such as metamodeling, model transformation, domain-specific modeling, model evolution, model verification and validation. Various languages have been proposed to implement artifacts produced by these activities. Having been applied in a variety of different application domains, good practices and idioms have been proposed for some of these languages. Some language-specific idioms can be re-used and applied across different languages, to then become generalized to design patterns. Although some preliminary work on design patterns has been proposed, this is an area of MDE that yet needs to be explored. With the growing maturity of MDE, the workshop organisers considered that it was time to further investigate the discovery, definition, purpose and application of design patterns in model engineering activities.

PAME was intended to be the first forum for practitioners in MDE to discuss patterns that occur often during the different modeling activities. The aim of the workshop was to provide an arena for proposing and discussing good practices and pattern-based modeling, as well as start the initiative of developing a “language” for describing problems and their solutions in the form of patterns.

PAME 2015 was a true workshop: short papers (including those that proposed a specific pattern) were solicited, as well as challenge problems. The 20-25 attendees all engaged in critical discussion of the value of the patterns being proposed, the methods being used to identify the patterns, and the challenges associated with their validation.

The workshop received six papers for review, of which five were accepted for presentation. Three invited talks, by Jordi Cabot, Antonio Cichetti and Daniel Varro, were also solicited, focusing on different uses of patterns in the different domains in which they work. This proceedings contains the peer-reviewed and revised papers that take into account the feedback received at the workshop. Each paper was peer-reviewed by at least two of the organisers, who assessed the paper’s relevance for the workshop, as well as the quality and novelty of the presented patterns or methods. Additionally, the workshop organisers prepared a workshop summary, which consolidates the discussions held during the workshop.

The organisers thank all authors for their submissions, the workshop participants for their excellent discussion during the day, and the STAF’15 local organisers in L'Aquila.

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