Preface

Over the last ten years, Answer Set Programming (ASP) has grown from a pure theoretical knowledge representation and reasoning formalism to a computational approach with a very strong formal backing. At present, ASP is seen as the computational embodiment of non-monotonic reasoning, incorporating techniques of databases, knowledge representation, logic and constraint programming. ASP has become an appealing tool for knowledge representation and reasoning and thanks to the increasing efficiency of the implementations of ASP solvers, the field has now started to tackle the first industrially relevant applications.

Writing complex programs in any language is not an easy task, with ASP being no exception. Most of the modern popular programming languages have an abundance of tools and development methodologies to facilitate and improve the coding process. Given the differences in language design, execution, and application domains for languages such as Java and C++, the existing methodologies and tools that are available are generally not suitable for ASP. Therefore development tools and software engineering methodologies specifically designed for ASP are required.

The SEA'07 workshop provides an international forum to discuss all software engineering problems the field currently or in the future will experience.

SEA'07 is the first event in hopefully a long series of workshops. It is being held in Tempe, Arizona, USA as a co-located workshop of LPNMR'07, one of the leading conferences in the area of logic programming and in particular ASP.

Apart from the regular paper presentations, the workshop will also host the "ASP Language Forum". The aim of this forum is to start a general discussion on the requirements and specification of input, output and intermediate languages for answer set solvers and grounders.

Within these proceedings are the six papers accepted for publications by our programme committee as well as three position papers for the forum.

The programme committee and organisers wish to thank all the authors who submitted papers, the forum members, all participants and everyone who contributed to the success of the workshop. We hope to see you all again at the meeting.

May 2007   Marina De Vos
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                                                                                                          Organisers
                                                                                                             SEA'07