Foreword

We would like to continue the successful conferences entirely devoted to attribute grammars (WAGA'90, Paris, SAGA'91, Prague and WAGA'99, Amsterdam). Many new attribute grammar systems and applications have been developed and concepts of attribute grammars have been merged with recently developed fields such as adaptive and generic programming. Attribute grammars are still the subject of active research and now find important, useful and practical applications in various areas such as domain specific languages, natural language processing, communication protocols, databases etc.

The aim of this one day workshop, WAGA'00, is to focus both on theoretical and applicational topics, promoting the participation of researchers from academia and industry interested in the field of attribute grammars. WAGA'00 is held on July 7th, 2000 in Ponte de Lima, Portugal, as a satellite event of MPC'00, the 5th. Int. Conference on Mathematics of Program Construction.

It comprises one invited talk, 8 presentations selected by the Program Committee out of 12 submissions —covering areas as "circularity and incremental evaluation", "ag testing", "denotational semantics", "oo systems", "applications (design patterns, e-commerce, HW compilation)"—, and a final discussion.

The discussion is open to all aspects of attribute grammars, with special emphasis on new applications of attribute grammars (outside compilation) and comparisons to other formalisms (action semantics, evolving algebra, denotational semantics, natural semantics, abstract interpretation), to technical standards (markup languages, SGML / XML), and to programming languages (object-oriented programming, constraint logic programming, functional programming, adaptive programming, generic programming).

Organization

Departamento de Informática of the University of Minho at Braga, Portugal	
Institut National de Recherche en Informatique et en Automatique	**INRIA**

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Pedro Henriques and Marjan Mernik
Scientific organizers of WAGA'00
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