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Attribute Grammars, Applications and Systems

International Summer School SAGA
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Foreword

Attribute grammars have shown themselves to be a useful formalism for specifying the syntax and the static semantics of programming languages, as well as for implementing syntax-directed editors, compilers, translator writing systems and compiler generators, and, more generally, any application that has a strong syntactic basis. The large amount of literature on theoretical aspects, applications and systems, which has appeared since Knuth introduced the basic concepts in 1968 proves the importance of the area.

Nevertheless, no textbooks are available that cover the entire field. To redress this imbalance, an International Summer School on Attribute Grammars, BApplications and Systems was held in Prague, Czechoslovakia, June 4 – 13, 1991. The course aimed at teaching the state of the art in attribute grammars, and their relation to other language specification methods. The emphasis was both on theory and applications.

The papers in these proceedings are well suited for self-tuition, but a selection of the collection of papers can also be used for introductory courses in attribute grammars.

The summer school was organized by the Czechoslovak Society for Computer Science and the Department of Computers, Faculty of Electrical Engineering, Czech Technical University. It was sponsored by International Computers Limited, Commercial Representation, Czechoslovakia, and Unilever, The Netherlands.

The Organization Committee consisted of Henk Alblas, University of Twente, Enschede, The Netherlands, and Bořivoj Melichar, Czech Technical University, Prague, Czechoslovakia. The Secretary was Milada Kučerová, Czech Technical University, Prague, Czechoslovakia.

University of Twente
Czech Technical University
August 1991

Henk Alblas
Bořivoj Melichar

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