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Preface

This volume contains a selection of papers presented at the third European CAST workshop, EUROCAST'93, which was held at the Universidad de Las Palmas de Gran Canaria, Spain, in February 1993.

Following the tradition of the former workshops, EUROCAST'93 again emphasized interdisciplinarity with the specific goal of creating a synergy between fields such as systems theory, computer science, systems engineering and related areas. One aim of the workshop was to enable specialists to meet others in related fields and to learn from each other by communicating on a "systems level".

The papers in this volume contain workshop contributions which are strongly related to current problems in CAST research. Concerning systems theory, they certainly emphasize an engineering point of view. Since the computer is the essential instrument in CAST research, close relations to specific topics in computer science naturally exist. This should be a legitimation for the publication of this volume in the Lecture Notes in Computer Science.

EUROCAST'93 was organized by the Facultad de Informatica of the Universidad de Las Palmas de Gran Canaria, Canary Islands, Spain. The organizers are grateful for the cooperation with the International Federation of Systems Research (IFSR) and the Instituto Technológico de Canarias, S.A. (ITC).

The editors of this volume would like to thank Professor Gerhard Goos for his constructive criticisms and suggestions for more closely correlating CAST research with related research topics in computer science, especially in the field of formal methods in programming and software engineering. This would enable an even greater degree of cooperation between systems research and computer science. A final word of thanks goes to the staff of the Springer-Verlag in Heidelberg for their help in publishing this volume.

November, 1993

Franz Pichler
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