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# Computer Aided Systems Theory – EUROCAST '91

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## Preface

This volume contains a selection of papers presented at the second European workshop EUROCAST '91 held in Krems, Austria, in April 1991. It should give an overview on the current state of CAST research and its relation to CAD applications in the engineering fields. Publishing in the Lecture Notes in Computer Science is motivated by the following two reasons:

- (1) CAST research requires the application of the most advanced information processing technology in software and hardware for the implementation of CAST method base systems
- (2) the specific engineering disciplines (especially the field of information and control engineering) have the opportunity to present the state of the art in modelling tools to computer scientists

EUROCAST '91 proved that CAST research is still in its beginning state of development. However we can see by the results which were achieved in the workshop that progress towards a common understanding of the task is continuing.

EUROCAST '91 was organized by the Wissenschaftliche Landesakademie Krems, Austria, in cooperation with the Johannes Kepler University Linz, Austria, and the Universidad de Las Palmas de Gran Canaria, Canary Islands, Spain. Professor Peter Kopacek, Conference-Chairman of the workshop, and his team deserve many thanks for the organizational work. The organizers are grateful for the co-sponsorship of the International Federation of Systems Research (IFSR), the International Federation of Automatic Control (IFAC), and the Technical Committee on Systems Engineering (SECOM).

The editors of this volume would once more like to thank our mentor in CAST research Professor Heinz Schwärtzel, Siemens Corporation Munich, and current president of the German Society for Computer Science, for his encouragement and advice. Many thanks also to Professor Gerhard Goos, University of Karlsruhe and Editor-in-Chief of the Lecture Notes in Computer Science, for his understanding and acceptance of our publication. A final word of thanks goes to the Springer-Verlag staff in Heidelberg for their help in publishing this volume.