Models and logics for process algebra
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Preface

This book is a collection of papers that address topics in process algebra, or, more precisely, in ACP, the Algebra of Communicating Processes. Probably, ACP itself is the most specific theme that these papers have in common; therefore, they are preceded by a chapter that introduces ACP at an intuitive level, and that will hopefully serve readers that are new to this area of research. The later chapters are completely self-contained, which means in particular that they come with their own introduction, motivation, and conclusions.

Chapter II, written with Alban Ponse, appeared as report [75]. Chapter III, written with Jan Bergstra and Alban Ponse, appeared as report [24]. These chapters have been submitted for journal publication. Chapter IV, written with Carron Shankland, was published as [78], and Chapter V was published as [86]. These chapters differ from the published versions mainly in layout and presentation. Chapter VI is based on the report [85], that served as a preliminary study for the completeness proof for timed $\mu$CRL [77]. The book is ended with a summary in Dutch.

The material presented here was written during the four years that I was employed as a research assistant at the Centre for Mathematics and Computer Science (CWI) in Amsterdam. I wish to thank all my former colleagues for the pleasant environment that I experienced there. Let me mention in particular Alban Ponse, who had earlier been the supervisor of my Master's thesis and with whom I enjoyed working closely during the last two years; Jan Friso Groote, who arranged my position at CWI and initiated my research on $\mu$CRL; Wan Fokkink, who succeeded Jan Friso as the head of our research group; Simona Orzan, who designed the cover of this book; and Jozef Hooman, who was patient when I was thinking thesis instead of thinking new job. Furthermore, I very much enjoyed the company of Bas Luttik, Yaroslav Usenko, Judi Romijn, and Michel Reniers.

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I would like to thank the co-authors of the chapters of this dissertation for their contribution; as mentioned above they are Jan Bergstra (Chapter III), Alban Ponse (Chapters II and III), and Carron Shankland (Chapter IV).

Finally, I wish to thank my friends and family for their friendship and support.

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