GENERALIZED NETS

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GENERALIZED NETS

Krassimir T Atanassov

Institute for Microsystems, Sofia, Bulgaria

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PREFACE

The theory of Petri nets has a 30-year-old history. During the last 10 years, I have been trying to contribute to its development. Almost all the theoretical results which I have achieved since 1981 are included in this book.

The theory of generalized nets has developed, to a great extent as a subsidiary branch of the Petri nets theory. That is why, in many ways, this text goes beyond the boundaries of the theory of Petri nets and their other modifications.

The applications of generalized nets are not discussed in this book. They will be published in a book entitled "Applications of Generalized Nets" by World Scientific Publishing Company Pte Ltd.

* * *

I would like to thank the chief editor of AMSE Review (France) Prof G. Mesnard for urging me to write this book and for his support.

I would also like to express my warm gratitude to my co-authors and collaborators who helped me develop the theory of generalized nets and discover its applications. They are: Evgeni Dimitrov, George Gargov, Ilja Kazalarsky, Joseph Sorsich, Kostadin Janev, Liliya Atanassova, Lubomir Hadjyisky, Maria Stefanova-Pavlova, Marin Marinov, Peter Starke, Radosvet Todorov, Rumen Christov, Stefka Stoeva, Stojan Mihov and Svetlosar Petkov. I hope we have succeeded in laying the foundation of a Bulgarian school on the theory of generalized nets.

Krassimir T. Atanassov

Nov. 1990 , Sofia

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