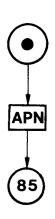
Lecture Notes in Computer Science

Edited by G. Goos and J. Hartmanis

222

Advances in Petri Nets 1985



Edited by G. Rozenberg



Springer-Verlag Berlin Heidelberg New York Tokyo

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CR Subject Classifications (1985): C.1, C.2, D.4, F.1

ISBN 3-540-16480-4 Springer-Verlag Berlin Heidelberg New York Tokyo ISBN 0-387-16480-4 Springer-Verlag New York Heidelberg Berlin Tokyo

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Printing and binding: Beltz Offsetdruck, Hemsbach/Bergstr. 2145/3140-543210

This is the second of a series of volumes called "Advances in Petri Nets". The idea of the series originated during the annual "European Workshops on Applications and Theory of Petri Nets" where the need to present to the general computer science community recent advances in Petri nets became apparent. By "recent advances" one understands here recent results which are the most significant for the development of the area. The workshops are important sources of papers for the "Advances"; the "best" papers from the past workshops are considered for the series (however, they go through an independent refereeing process and, if accepted, they often appear in "Advances" in a quite revised and extended form). Independently of the workshop papers, "Advances" present also other papers submitted directly for publication in "Advances" - this is quite evident in the present volume. This development is very welcome and the potential authors are encouraged to submit papers directly to the Editor of "Advances".

The main aims of "Advances" are:

- (1) to present to the "outside" scientific community a fair picture of recent advances in the area of Petri nets, and
- (2) to encourage those interested in applications and the theory of concurrent systems to take a closer look at Petri nets and then join the group of researchers working in this fascinating and challenging area.

To facilitate (2) above "Advances" will from now on contain also tutorials on various important topics from Petri nets. The current volume presents the tutorial on synchronic structures written by U. Goltz and Y. Chong-Yi.

"Advances in Petri Nets 1985" covers the 6th "European Workshop on Applications and Theory of Petri Nets" held in Espoo, Finland in June 1985. I would like to thank K. Jensen, the program committee chairman, for the help in selecting papers from the workshop to be submitted for "Advances".

Special thanks go to the referees of papers in this volume who very often are responsible for considerable improvement of papers presented here. The referees were: A. Andre, P. Azema, D.B. Benson, E. Best, J. Billington, Ph. Chretienne,

- P. Chrzastowski-Wachtel, L. Czaja, R. Devillers, M. Diaz, H. Ehrig, F. Feldbrugge,
- H. Goeman, U. Goltz, L. Groenewegen, M. Jantzen, K. Jensen, H.C.M. Kleijn, J.W. Klop,
- H.-J. Kreowski, M. Latteux, M. Main, A. Mazurkiewicz, G. Memmi, G. De Michelis,
- T. Murata, M. Nielsen, H. Oberquelle, L. Ojala, A. Pagnoni, L. Pomello, W. Reisig,
- G. Roucairol, M. Silva, E. Smith, P. Starke, P.S. Thiagarajan, R. Valette, R. Valk,
- J. Vautherin, R. Verraedt, K. Voss, W. Zuberek.

G. Rozenberg Editor

TABLE OF CONTENTS

Preface
B. Baumgarten, H.J. Burkhardt, P. Ochsenschläger, R. Prinoth The signing of a contract - a tree-structured application
G. Berthelot Checking properties of nets using transformations
G. Boudol, G. Roucairol, R. de Simone Petri nets and algebraic calculi of processes
HD. Burkhard Fair controls and their realization
L.A. Castellano Beta processes of C/E systems
Y. Chong-Yi Synchronic distances in C/E systems
Y. Chong-Yi
Process periods and system reconstruction
G. Comparin, G.A. Lanzarone, K. Lautenbach, A. Pagnoni, W. Panzeri,A. TorganoGuidelines on using net analysis techniques with large specifications 1
D. Corbeel, J.C.Gentina, C. Vercauter Application of an extension of Petri nets to modelization of control and production processes
L. Czaja Making nets abstract and structured
F. Feldbrugge Petri net tools
H.J. Genrich
Projections of C/E systems

U. Goltz, Y. Chong-Yi Synchronic structure - a tutorial	3
D. Hauschildt, R. Valk Safe states in banker like resource allocation problems	3
	J
A.W. Holt Coordination technology and Petri nets	3
K. Jensen, E.M. Schmidt	
Pascal semantics by a combination of denotational semantics and high-level Petri nets	7
Y. Narahari, N. Viswanadham	
On the invariants of coloured Petri nets)
M. Parigot, E. Pelz	
A logical formalism for the study of the finite behaviour of Petri nets 34	6
H. Plünnecke	
Determination of a poset by its co-relation	2
L. Pomello	
Some equivalence notions for concurrent systems. An overview	1
G. Richter, K. Voss	
Towards a comprehensive office model integrating information	
and resources	1
J. Vautherin	
Non-linear invariants for coloured Petri nets with interdependent tokens;	
application to the proof of parallel programs	8
G.R. Wheeler, M.C. Wilbur-Ham, J.Billington, J.A. Gilmour	
Protocol analysis using numerical Petri nets	5
G. Winskel	
Petri nets, morphisms and compositionality 45	3
W.M. Zuberek	
M-timed Petri nets, priorities, preemptions, and performance	
evaluation of systems	8