

# Lecture Notes in Computer Science

Edited by G. Goos and J. Hartmanis

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## Advances in Petri Nets 1985



Edited by G. Rozenberg

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## PREFACE

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

Leiden, February 1986

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