

Table of Contents

Section I

Object Oriented Modeling with Object Petri Nets.....	1
<i>C. Lakos</i>	
Using Petri Nets for Specifying Active Objects and Generative Communication.....	38
<i>T. Holvoet, P. Verbaeten</i>	
Object-Oriented Nets with Algebraic Specifications: The CO-OPN/2 Formalism.....	73
<i>O. Biberstein, D. Buchs, and N. Guelfi</i>	
CLOWN as a Testbed for Concurrent Object-Oriented Concepts.....	131
<i>E. Battiston, A. Chizzoni, and F. De Cindio</i>	
Concurrency in Communicating Object Petri Nets.....	164
<i>R. Valk</i>	
Object Orientation in Hierarchical Predicate Transition Nets	196
<i>X. He, Y. Ding</i>	
CoOperative Objects: Principles, Use and Implementation.....	216
<i>C. Sibertin-Blanc</i>	
OB(PN) ² : An Object Based Petri Net Programming Notation.....	247
<i>J. Lilius</i>	
On Formalizing UML with High-Level Petri Nets.....	276
<i>L. Baresi, M. Pezzè</i>	

Section II

Modeling a Groupware Editing Tool with Cooperative Objects	305
<i>R. Bastide, P. Palanque</i>	
Modeling Constrained Geometric Objects with OBJSA Nets	319
<i>M. A. Alberti, P. Evi, and D. Marini</i>	
An Object-Based Modular CPN Approach: Its Application to the Specification of a Cooperative Editing Environment.....	338
<i>D. S. Guerrero, J. C. A. de Figueiredo, and A. Perkusich</i>	

KRON: Knowledge Engineering Approach
Based on the Integration of CPNs with Objects 355
J. A. Bañares, P. R. Muro-Medrano, J. L. Villarroel, and F. J. Zarazaga

Modeling of a Library with THORNs 375
F. Köster, S. Schöf, M. Sonnenschein, and R. Wieting

Inheritance of Dynamic Behavior: Development of a Groupware Editor 391
T. Basten, W. M. P. van der Aalst

Object Colored Petri Nets – A Formal Technique for Object Oriented Modeling 406
C. Maier, D. Moldt

Section III

An Actor Algebra for Specifying Distributed Systems:
The Hurried Philosophers Case Study 428
M. Gaspari, G. Zavattaro

Formal Reasoning about Actor Programs Using Temporal Logic..... 445
S. Schacht

Flexible Types for a Concurrent Model..... 461
F. Puntigam

High Level Transition Systems for Communicating Agents 473
F. Vernadat, P. Azéma

Schedulability Analysis of Real Time Actor Systems Using Colored Petri Nets 493
L. Nigro, F. Pupo

Control Properties in Object-Oriented Specifications 514
A. Diagne

Section IV: Case Studies

A Cooperative Petri Net Editor..... 534
R. Bastide, C. Lakos, and P. Palanque

The Hurried Philosophers..... 536
C. Sibertin-Blanc

Author Index 539