

|                         |  |
|-------------------------|--|
| 1. Record Nr.           | UNINA9910483546303321  |
| Titolo                  | Petri Nets and Other Models of Concurrency - ICATPN 2006 : 27th International Conference on Applications and Theory of Petri Nets and Other Models of Concurrency, Turku, Finland, June 26-30, 2006, Proceedings / / edited by Susanna Donatelli, P.S. Thiagarajan   |
| Pubbl/distr/stampa      | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2006   |
| ISBN                    | 3-540-34700-3  |
| Edizione                | [1st ed. 2006.]  |
| Descrizione fisica      | 1 online resource (XI, 441 p.)   |
| Collana                 | Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4024  |
| Altri autori (Persone)  | DonatelliSusanna<br>ThiagarajanP. S  |
| Disciplina              | 511.35   |
| Soggetti                | Computer science<br>Software engineering<br>Computer science - Mathematics<br>Discrete mathematics<br>Computer networks<br>Microprocessors<br>Computer architecture<br>Operating systems (Computers)<br>Theory of Computation<br>Software Engineering<br>Discrete Mathematics in Computer Science<br>Computer Communication Networks<br>Processor Architectures<br>Operating Systems |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Bibliographic Level Mode of Issuance: Monograph  |
| Nota di bibliografia    | Includes bibliographical references and index.   |
| Nota di contenuto       | Invited Papers -- Invariant Based Programming -- On the Integration of UML and Petri Nets in Software Development -- Component Tools: Integrating Petri Nets with Other Formal Methods -- Using Colored Petri Nets and Tools to Support Mobile Terminal and Network Software Development -- Full Papers -- Compensation in Workflow Nets -- The                                      |

Synthesis Problem of Netcharts -- Non-sequential Behaviour of Dynamic Nets -- Complete Finite Prefixes of Symbolic Unfoldings of Safe Time Petri Nets -- On the Computation of Stubborn Sets of Colored Petri Nets -- On the Construction of Pullbacks for Safe Petri Nets -- From Petri Nets to Differential Equations – An Integrative Approach for Biochemical Network Analysis -- How Expressive Are Petri Net Schemata? -- A New Approach to the Evaluation of Non Markovian Stochastic Petri Nets -- Nested Nets for Adaptive Systems -- Analyzing Software Performance and Energy Consumption of Embedded Systems by Probabilistic Modeling: An Approach Based on Coloured Petri Nets -- Infinite Process Semantics of Inhibitor Nets -- Towards Synthesis of Petri Nets from Scenarios -- Designing Reversibility-Enforcing Supervisors of Polynomial Complexity for Bounded Petri Nets Through the Theory of Regions -- On the Step Explosion Problem -- Prospective Analysis of Cooperative Provision of Industrial Services Using Coloured Petri Nets -- Tool Papers -- Can I Execute My Scenario in Your Net? VipTool Tells You! -- Exhost-PIPE: PIPE Extended for Two Classes of Monitoring Petri Nets -- ArgoSPE: Model-Based Software Performance Engineering -- Petriweb: A Repository for Petri Nets -- Geist3D, a Simulation Tool for Geometry-Driven Petri Nets -- The BRITNeY Suite Animation Tool.

---

#### Sommario/riassunto

This book constitutes the refereed proceedings of the 27th International Conference on Applications and Theory of Petri Nets and Other Models of Concurrency, ICATPN 2006, held in Turku, Finland in June 2006. The book presents 16 revised full papers and 6 revised tool papers together with 4 invited papers. All current issues on research and development in the area of Petri nets and modeling of concurrent systems are addressed.

---