Artikel und Buchbeiträge

   F. Orejas, H. Ehrig, J.Padberg, M. Klein, S. Perez, E. Pino
   *Fundamenta Informaticae* 99(1) 1–31 ; IOS Press, 2010

2. A Generic Approach to Connector Architectures Part II: Instantiation to Petri Nets and CSP
   F. Orejas, H. Ehrig, J.Padberg, M. Klein, S. Perez, E. Pino
   *Fundamenta Informaticae* 99(2) 1–30 ; IOS Press, 2010

3. Integration of Categorical Frameworks: Rule-Based Refinement and Hierarchical Composition for Components.
   J. Padberg,

   H. Ehrig, K. Hoffmann, J. Padberg,
   Buchkapitel in: *Petri Net Theory and Applications, 1-16*,

5. Formale Techniken für Software-Architekturen.
   J. Padberg,

   J. Padberg, H. Ehrig,

7. Adhesive high-level replacement categories and systems.
   H. Ehrig, A. Habel, U. Prange, J. Padberg,

8. Integration of the generic framework for components for system modeling with adhesive HLR systems.
   J. Padberg,

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11. Evolutionary development of business process centred architectures using component technologies.
    A. Sünbül, H. Weber, J.Padberg,

12. Rule-based refinement of high-level nets preserving safety properties.
    J. Padberg, M. Gajewsky, C. Ermel,

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1 Keine Mehrfachpublikationen, nur die jeweils höchstrangige Publikation ist angegeben.
13. Cooperability in train control systems specification of scenarios using open nets.
   J. Padberg, L. Jansen, H. Ehrig, E. Schnieder, R. Heckel,

14. Categorical approach to horizontal structuring and refinement of high-level replacement systems.
   J. Padberg,

15. From basic views and aspects to integration of specification formalisms
   H. Ehrig, J. Padberg, F. Orejas,

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   J. Padberg, H. Ehrig, L. Ribeiro,

18. How to Transfer Concepts of Abstract Data Types to Petri Nets?
   H. Ehrig, A. Merten, J. Padberg,

19. Linking Algebraic High Level Nets and Dynamic Abstract Data Types.
   H. Ehrig, J. Padberg,

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20. Managing Editor of the *Electronic Communication of the EASST*
    Online, open access, scientific and peer-reviewed journal
    URL: [http://www.easst.org/eceasst](http://www.easst.org/eceasst)


22. 5th International Workshop on Petri Nets, Graph Transformation and other Concurrency Formalisms, Volume 51, of the *Electronic Communication of the EASST*, 2012


24. Special Issue on Component Based System Development
   H. Ehrig, J. Padberg.

25. Advances in Petri Nets: Unifying Petri Nets


27. Special Issue on Integration and Collaboration Based on Graphical Techniques.
   H. Ehrig, M. Goedicke, J. Padberg
28. Newsletter of the European Association of Software Science and Technology
Editor: J. Padberg, http://www.easst.org/newsletter/index.html,

Referierte Tagungsbeiträge und Beiträge in Sammelbänden

29. Composition and Independence of High-Level Net Processes.
vol 242(2), Elsevier Science Publishers, 2009

30. Towards Component Verification in the Generic Component Framework

31. Transformations in Reconfigurable Place/Transition Systems.
U. Prange, H. Ehrig, K. Hoffman, J. Padberg,
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32. Hierarchical modelling and verification based on Petri net components with multiple
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U. Küssel, J. Padberg, D. Abel,
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34. Maintaining Consistency of Layered Architectures of Mobile Ad-hoc Networks.
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38. Loose Semantics of Petri Nets.
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39. Graph Grammars and Petri Net Transformations.
H. Ehrig, J. Padberg,

J. Padberg, M. Urbášek,
41. Rule invariants in graph transformation systems for analyzing safety-critical systems.
   J. Padberg, B. Enders,
42. Transforming specification architectures by GenGED.
   R. Bardohl, C. Ermel, J. Padberg,
43. High-level net processes.
   H. Ehrig, K. Hoffmann, J. Padberg, P. Baldan, R. Heckel,
44. Parameterized Net Classes: A Uniform Approach to Petri Net Classes.
   J. Padberg, H. Ehrig,
45. Behaviour and realization construction for Petri nets based on free monoid and power set graphs.
   J. Padberg, H. Ehrig, G. Rozenberg,
46. New concepts for high-level Petri nets in the application domain of train control systems.
   J. Padberg, P. Schiller, H. Ehrig,
47. Double-pullback graph transitions: a rule-based framework with incomplete information.
   H. Ehrig, R. Heckel, M. Llabres, F. Orejas, J. Padberg, G. Rozenberg,
48. Relevance, integration and classification of specification formalism and formal specification techniques.
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49. Modeling train control systems: from message sequence charts to Petri nets.
   O. Kluge, J. Padberg, H. Ehrig,
50. Incremental development of safety properties in Petri net transformations.
   J. Padberg, M. Gajewsky, K. Hoffmann,
51. Horizontal and vertical structuring techniques for statecharts.
   H. Ehrig, R. Geisler, M. Klar, J. Padberg,
52. Uniform approach to Petri nets.
   H. Ehrig J. Padberg,
53. The category of typed graph grammars and its adjunctions with categories of derivations.

Referierte Beiträge auf Workshops

54. Abstract Interleaving Semantics for Reconfigurable Petri Nets
55. ReConNet: A Tool for Modeling and Simulating with Reconfigurable Place/Transition Nets

   U. Golas, K. Hoffmann, H. Ehrig, A. Rein, J. Padberg
   *Proc. 4th Int Workshop on Petri Nets and Graph Transformation*, Electronic Communications of the EASST, volume 40, 2011

57. Reconfigurable Open Algebraic High-Level Systems.
   C. Ullrich, J. Padberg.

58. Negative Application Conditions for Reconfigurable Place/Transition Systems.

59. Flexible Modeling of Emergency Scenarios using Reconfigurable Systems

   J. Padberg, T. Modica,

61. Layered Architecture Consistency for MANETs: Introducing New Team Members
   E. Biermann, K. Hoffmann and J. Padberg,

62. Flexible Modeling of Emergency Scenarios using Reconfigurable Systems
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63. Towards Component Verification in the Generic Component Framework
   J. Padberg, H. Ehrig, F. Orejas,

64. Towards Multiple Access in Generic Component Architectures.
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66. Basic ideas for transformations of specification architectures.
   J. Padberg,

67. Visual Design of Software Architecture and Evolution based on Graph Transformation.
C. Ermel, R. Bardohl, J. Padberg,

68. Rule-Based and Visual Model Evolution using GenGEd
R. Bardohl, C. Ermel, J. Padberg,

69. Abstract Petri nets as a uniform approach to high-level Petri nets.
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70. Reverse Petri Net Technology Transfer: On the Boundary of Theory and Application
H. Ehrig, M. Gajewsky, S. Lembke, J. Padberg,

71. Requirements engineering of a medical information system using rule-based refinement of Petri nets.
C. Ermel, J. Padberg, H. Ehrig,

72. Abstract datatype semantics for algebraic high-level nets using dynamic abstract datatypes.
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73. Functorial Semantics for Safe Graph Grammars Using Prime Algebraic Domains and Event Structures.

74. Algebraic High-Level Nets - Petri Nets Revisited.
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