
Model Driven Dependability Assessment Of Software Systems

By Simona Bernardi José Merseguer Dorina Corina Petriu

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with annotations describing the nfp of interest b to transform automatically the annotated software model to the formalism'

'**supporting pattern based dependability engineering via**

March 29th, 2020 - we use model driven engineering mde to describe dependability patterns and a methodology for developing dependable software systems using these patterns the resultant modeling framework reduces the time cost related to understanding and analyzing system artifact description due to the abstraction mechanisms and it reduces the cost of the development process due to the generation mechanisms'

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April 30th, 2020 - dorina c petriu is a professor at the department of systems andputer engineering at carleton university ottawa on canada her main research interests are in the areas of software performance modeling and model driven development with an emphasis on integrating performance and dependability engineering into the software development process''**qos based model driven assessment of adaptive reactive systems**

April 23rd, 2020 - this paper introduces a model driven approach to support this assessment with a focus on performance and dependability attributes our approach takes advantage from an existing intermediate modeling language and introduces the necessary extensions to cope with reactive systems the presented model driven framework exploits the idea of''**simona bernardi grupo de i d en putación distribuida**

April 9th, 2020 - article bmmnv18 author simona bernardi and stefano marrone and jos e merseguer and robero nardone and valeria vittorini year 2018 title towards a model driven engineering approach for the assessment of non functional properties using multi formalism journal software amp systems modeling issn 1619 1366 doi 10 1007 s10270 018 0663 8 month 2 pages 1 24''**link formats model transformations**

May 13th, 2020 - book model driven dependability assessment of software systems bernardi simona merseguer josé petriu dorina c 2013 xvi 187 p prehensive overview of standards based dependability modeling and analysis presentation based on the standard extension mechanisms of uml detailed case studies to illustrate single process steps''**model driven dependability assessment of software systems**

May 25th, 2020 - over the last two decades a major challenge for researchers working on modeling and evaluation of puter based systems has been the assessment of system non functional properties nfp such as performance scalability dependability and security in this book the authors present cutting edge model driven techniques for modeling and analysis of software dependability most of them are based''**reliability support for the model driven architecture**

May 14th, 2020 - sis and design of dependability issues and from design to implementation 1 provides a useful transformation tech nique to automate dependability analysis of systems de signed using uml nevertheless to properly contemplate dependability in all stages of the software engineering pro cess we believe that one of the main concern is to provide a''

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