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| 1. Record Nr.           | UNINA9910410056103321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Titolo                  | Measurement, Modelling and Evaluation of Computing Systems : 20th International GI/ITG Conference, MMB 2020, Saarbrücken, Germany, March 16–18, 2020, Proceedings / / edited by Holger Hermanns                                                                                                                                                                                                                                                                                                                                               |
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| Descrizione fisica      | 1 online resource (XVIII, 279 p. 573 illus., 59 illus. in color.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Collana                 | Programming and Software Engineering ; ; 12040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Disciplina              | 621.382<br>004.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Soggetti                | Software engineering<br>Architecture, Computer<br>Application software<br>Computer communication systems<br>Special purpose computers<br>Artificial intelligence<br>Software Engineering<br>Computer System Implementation<br>Information Systems Applications (incl. Internet)<br>Computer Communication Networks<br>Special Purpose and Application-Based Systems<br>Artificial Intelligence                                                                                                                                                |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Nota di contenuto       | Performance Analytics of a Virtual Reality Streaming Model -- To Fail Or Not To Fail: Predicting Hard Disk Drive Failure Time Windows -- Concurrent MDPs with Finite Markovian Policies -- A Stochastic Automata Network Description for Spatial DNA-Methylation Models -- An ns-3 Model for Multipath Communication with Terrestrial and Satellite Links -- Model-based Performance Predictions for SDN-based Networks -- Performance Analysis for Loss Systems with Many Subscribers -- On the Stochastic End-to-End Delay Analysis in Sink |

Trees Under Independent and Dependent Arrivals -- Graph-based  
Mobility Models: Asymptotic and Stationary Node Distribution --  
Parallelization of EM-Algorithms for Markovian Arrival Processes -- It  
Sometimes Works: A Lifting Algorithm for Repair of Stochastic Process  
Algebra Models -- An Efficient Brute Force Approach to Fit Finite  
Mixture Distributions -- Freight Train Scheduling in Railway Systems --  
A Domain Specific Language and Toolset for Requirements Analysis of  
Safety-Critical Cyber-Physical Systems -- Automated Rare Event  
Simulation for Fault Tree Analysis via Minimal Cut Sets.

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Sommario/riassunto

This book constitutes the proceedings of the 20th International GI/ITG  
Conference on Measurement, Modelling and Evaluation of Computing  
Systems, MMB 2020, held in Saarbrücken, Germany, in March 2020.  
The 16 full papers presented in this volume were carefully reviewed and  
selected from 32 submissions. They are dealing with scientific aspects  
of measurement, modelling and evaluation of intelligent systems  
including computer architectures, communication networks, distributed  
systems and software, autonomous systems, workflow systems, cyber-  
physical systems and networks, Internet-of-Things, as well as highly  
dependable, highly performant and highly secure systems.

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