Titolo Advances in Modeling and Simulation: Seminal Research from 50 Years of Winter Simulation Conferences // edited by Andreas Tolk, John Fowler, Guodong Shao, Enver Yücesan Cham:::Springer International Publishing::Imprint:Springer, 2017 ISBN 3-319-64182-4 Edizione [1st ed. 2017.] Descrizione fisica 1 online resource (XII, 355 p. 35 illus., 6 illus. in color.) Collana Simulation Foundations, Methods and Applications, . 2195-2817  Disciplina 003.3 Soggetti Computer simulation Mathematical models Computer-aided engineering Operations research Management science Simulation and Modeling Mathematical Modeling Mathematical Modeling Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografia Includes bibliographical references at the end of each chapters and index.  Nota di contenuto A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation Modelling and Analysis of Semiconductor Manuracturing Social and Behavioral Simulation A History of Military Computer Simulation Modelling and Analysis of Semiconductor Manuracturing Social and Behavioral Simulation A Pariser of Semiconductor Manuracturing Social and Behavioral Simulation A Pariser of Semiconductor Manuracturing Social and Behavioral Simulation A Pariser of Semiconductor Manuracturing Social and Behavioral Simulation A Pariser of Semiconductor Manuracturing Social and Behavioral Simulation A Pariser Semical A Pariser Semical A Pariser Semical Social and Behavioral Simulation A Pariser Semical A Pariser Semical Pariser Pariser Pariser Pariser Pariser Pariser Parise	Record Nr.	UNINA9910254832603321
ISBN 3-319-64182-4  Edizione [1st ed. 2017.]  Descrizione fisica 1 online resource (XII, 355 p. 35 illus., 6 illus. in color.)  Collana Simulation Foundations, Methods and Applications, , 2195-2817  Disciplina 003.3  Soggetti Computer simulation Mathematical models Computer-aided engineering Operations research Management science Simulation and Modeling Mathematical Modeling Mathematical Modeling and Industrial Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione Inglese  Formato Materiale a stampa  Livello bibliografico Monografia  Nota di bibliografia Includes bibliographical references at the end of each chapters and index.  Nota di contenuto A B rief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and	Titolo	of Winter Simulation Conferences / / edited by Andreas Tolk, John
Edizione [1st ed. 2017.]  Descrizione fisica 1 online resource (XII, 355 p. 35 illus., 6 illus. in color.)  Collana Simulation Foundations, Methods and Applications, , 2195-2817  Disciplina 003.3  Soggetti Computer simulation Mathematical models Computer-aided engineering Operations research Management science Simulation and Modeling Mathematical Modeling and Industrial Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione Inglese  Formato Materiale a stampa Livello bibliografico Monografia  Nota di bibliografia Includes bibliographical references at the end of each chapters and index.  Nota di contenuto A B rief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and	Pubbl/distr/stampa	
Descrizione fisica  1 online resource (XII, 355 p. 35 illus., 6 illus. in color.)  Collana  Simulation Foundations, Methods and Applications, , 2195-2817  Disciplina  003.3  Soggetti  Computer simulation Mathematical models Computer-aided engineering Operations research Management science Simulation and Modeling Mathematical Modeling and Industrial Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione  Inglese  Formato  Materiale a stampa  Livello bibliografico  Monografia  Nota di bibliografia  Includes bibliographical references at the end of each chapters and index.  Nota di contenuto  A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and	ISBN	3-319-64182-4
Collana  Simulation Foundations, Methods and Applications, , 2195-2817  Disciplina  003.3  Soggetti  Computer simulation Mathematical models Computer-aided engineering Operations research Management science Simulation and Modeling Mathematical Modeling and Industrial Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione  Inglese  Formato  Materiale a stampa  Livello bibliografico  Monografia  Includes bibliographical references at the end of each chapters and index.  Nota di contenuto  A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and	Edizione	[1st ed. 2017.]
Soggetti Computer simulation Mathematical models Computer-aided engineering Operations research Management science Simulation and Modeling Mathematical Modeling and Industrial Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references at the end of each chapters and index. Nota di contenuto  A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and	Descrizione fisica	1 online resource (XII, 355 p. 35 illus., 6 illus. in color.)
Soggetti  Computer simulation Mathematical models Computer-aided engineering Operations research Management science Simulation and Modeling Mathematical Modeling and Industrial Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione  Inglese Formato  Materiale a stampa  Livello bibliografico  Monografia  Includes bibliographical references at the end of each chapters and index.  Nota di contenuto  A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and	Collana	Simulation Foundations, Methods and Applications, , 2195-2817
Mathematical models Computer-aided engineering Operations research Management science Simulation and Modeling Mathematical Modeling and Industrial Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografico Monografia Includes bibliographical references at the end of each chapters and index.  Nota di contenuto A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and	Disciplina	003.3
Computer-aided engineering Operations research Management science Simulation and Modeling Mathematical Modeling and Industrial Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografico Monografia Includes bibliographical references at the end of each chapters and index.  Nota di contenuto A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and	Soggetti	·
Operations research Management science Simulation and Modeling Mathematical Modeling and Industrial Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione Inglese Formato Includes bibliografia Includes bibliographical references at the end of each chapters and index.  Nota di bibliografia Includes bibliographical references at the end of each chapters and index.  Nota di contenuto A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and		
Management science Simulation and Modeling Mathematical Modeling and Industrial Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografico Monografia Includes bibliographical references at the end of each chapters and index.  Nota di bibliografia Includes bibliographical references at the end of each chapters and index.  Nota di contenuto A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and		· · · · · · · · · · · · · · · · · · ·
Simulation and Modeling Mathematical Modeling and Industrial Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografico Monografia Includes bibliographical references at the end of each chapters and index.  Nota di bibliografia Includes bibliographical references at the end of each chapters and index.  Nota di contenuto A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and		•
Mathematical Modeling and Industrial Mathematics Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografico Monografia  Nota di bibliografia Includes bibliographical references at the end of each chapters and index.  Nota di contenuto A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and		
Computer-Aided Engineering (CAD, CAE) and Design Operations Research, Management Science  Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografico Monografia Includes bibliographical references at the end of each chapters and index.  Nota di bibliografia Includes bibliographical references at the end of each chapters and index.  Nota di contenuto A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and		· ·
Uingua di pubblicazione Inglese  Formato Materiale a stampa  Livello bibliografico Monografia  Nota di bibliografia Includes bibliographical references at the end of each chapters and index.  Nota di contenuto A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and		•
Formato  Materiale a stampa  Livello bibliografico  Monografia  Includes bibliographical references at the end of each chapters and index.  Nota di contenuto  A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and		Operations Research, Management Science
Formato Livello bibliografico Monografia  Includes bibliographical references at the end of each chapters and index.  Nota di contenuto  A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and	Lingua di pubblicazione	Inglese
Nota di bibliografia  Includes bibliographical references at the end of each chapters and index.  Nota di contenuto  A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and	Formato	
index.  A Brief Introduction to the Winter Simulation Conference Model is a Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and	Livello bibliografico	Monografia
Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and	Nota di bibliografia	
Proceedings of the Winter Simulation Conference from 1981 to 2016.	Nota di contenuto	Verb Model Calibration Validating Emergent Behavior in Complex Systems Input Model Risk Evolution of Simulation Languages A Brief History of Time Warp Design and Analysis of Simulation Experiments: Tutorial Better Big Data via Data Farming Experiments Bayesian Belief Models in Simulation-Based Decision Making Simulation Optimization under Input Model Uncertainty Parallel Ranking and Selection A History of Military Computer Simulation Modeling and Analysis of Semiconductor Manufacturing Social and Behavioral Simulation Analysis of M&S Literature Published in the
Sommario/riassunto This broad-ranging text/reference presents a fascinating review of the	Sommario/riassunto	

state of the art of modeling and simulation, highlighting both the seminal work of preeminent authorities and exciting developments from promising young researchers in the field. Celebrating the 50th anniversary of the Winter Simulation Conference (WSC), the premier international forum for disseminating recent advances in the field of system simulation, the book showcases the historical importance of this influential conference while also looking forward to a bright future for the simulation community. Topics and features: Examines the challenge of constructing valid and efficient models, emphasizing the benefits of the process of simulation modeling Discusses model calibration, input model risk, and approaches to validating emergent behaviors in large-scale compl ex systems with non-linear interactions Reviews the evolution of simulation languages, and the history of the Time Warp algorithm Offers a focus on the design and analysis of simulation experiments under various goals, and describes how data can be "farmed" to support decision making Provides a comprehensive overview of Bayesian belief models for simulation-based decision making, and introduces a model for ranking and selection in cloud computing Highlights how input model uncertainty impacts simulation optimization, and proposes an approach to quantify and control the impact of input model risk Surveys the applications of simulation in semiconductor manufacturing, in social and behavioral modeling, and in military planning and training Presents data analysis on the publications from the Winter Simulation Conference, offering a bigdata perspective on the significant impact of the conference This informative and inspiring volume will appeal to all academics and professionals interested in computational and mathematical modeling and simulation, as well as to graduate students on the path to form the next generation of WSC pioneers. Dr. Andreas Tolk is a Technology Integrator at The MITRE Corporation, Hampton, VA, USA, and adjunct Professor at Old Dominion University, Norfolk, VA, USA. Dr. John Fowler is the Motorola Professor of Supply Chain Management in the W.P. Carey School of Business at Arizona State University, AZ, Tempe, USA. Dr. Guodong Shao is a Computer Scientist in the Systems Integration Division (SID) of the Engineering Laboratory (EL) at the National Institute of Standards and Technology (NIST), Gaithersburg, MD, USA. Dr. Enver Yücesan is a Professor of Operations Management at INSEAD, Fontainebleau, France.