

1. Record Nr.	UNINA9910437580103321
Autore	Zeigler Bernard P. <1940->
Titolo	Guide to modeling and simulation of systems of systems : user's reference // Bernard P. Zeigler
Pubbl/distr/stampa	London, : Springer, 2013
ISBN	1-283-74043-5 1-4471-4570-4
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (49 p.)
Collana	SpringerBriefs in computer science, , 2191-5768
Disciplina	003.3
Soggetti	Systems engineering - Data processing Computer simulation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Atomic Models List -- System Entity Structure List -- Pruning SES List -- Miscellaneous List.
Sommario/riassunto	This user's reference is a companion to the separate book also titled "Guide to Modeling and Simulation of Systems of Systems." The principal book explicates integrated development environments to support virtual building and testing of systems of systems, covering in some depth the MS4 Modeling Environment™. This user's reference provides a quick reference and exposition of the various concepts and functional features covered in that book. The topics in the user's reference are grouped in alignment with the workflow displayed on the MS4 Modeling Environment™ launch page, under the headings Atomic Models, System Entity Structure, Pruning SES, and Miscellaneous. For each feature, the reference discusses why we use it, when we should use it, and how to use it. Further comments and links to related features are also included.

2. Record Nr.	UNINA9910411935703321
Titolo	Advances in Control Instrumentation Systems : Select Proceedings of CISCON 2019 // edited by V. I. George, B. K. Roy
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-4676-2
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XI, 279 p. 173 illus., 116 illus. in color.)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 660
Disciplina	629.475
Soggetti	Electronics Signal processing Control engineering Robotics Automation Electric power production Electronics and Microelectronics, Instrumentation Signal, Speech and Image Processing Control, Robotics, Automation Electrical Power Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Piezoelectric Energy Harvesting : A Review on Power Conditioning -- Design of CRONE based Fractional-Order Control Scheme for BIS Regulation in Intravenous Anesthesia -- Hybrid Wide Band Digital Integrator -- Comparative Study of Anti-windup Techniques on Performance of Adaptive Cruise Control -- Robust Controller for Seismic Response Mitigation -- Smart Waste Disposal System -- Exponential Cipher Based on Residue Number System for the Security of Text Document -- Finite Element Analysis of the Human Eye for a Range of Intraocular Pressure -- A Platform for Free-weight Exercise Monitoring Using Passive Tags -- Joint Angle Trajectory Tracking and Vibration Control of a Two-Link Flexible Link Manipulator (TLFM) in the Presence of Unmatched Disturbances -- Smart Interacting Mirror on the Wall.

Sommario/riassunto

This book comprises select peer-reviewed proceedings of the Control Instrumentation System Conference (CISCON 2019) in the specialized area of cyber-physical systems. The topics include current trends in the areas of instrumentation, sensors and systems, industrial automation and control, image and signal processing, robotics, renewable energy, power systems and power drives, and artificial intelligence technologies. Wide-ranging applications in various fields such as aerospace, biomedical, optical imaging and biomechanics are covered in the book. The contents of this book are useful for students, researchers as well as industry professionals working in the field of instrumentation and control engineering.
