

1. Record Nr.	UNINA9910830034503321
Titolo	Resilient control architectures and power systems // editors, Craig G. Rieger [et al.]
Pubbl/distr/stampa	Hoboken, NJ : , : IEEE Press : , : Wiley, , [2022] ©2022
ISBN	1-119-66042-4 1-119-66044-0 1-119-66022-X
Descrizione fisica	1 online resource (339 pages)
Collana	IEEE press series on power and energy systems
Disciplina	621.319
Soggetti	Electric power distribution - Automation Electric power failures Electric power system stability
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	"This book establishes a perspective for readers on the unique challenges of automation in our society, with a focus on a common element we all depend upon, the power grid. Perspectives are provided on a simulation of this real-life system, providing a backdrop on how a power control system works and how it can fail. In addition, the book addresses how systems fail due to threats from cyber security, human error and complex interdependencies. The book also discusses promising concepts that are being investigated to make these control systems more resilient to threats. Resilience fundamentals and applications are also investigated to ensure adequate operation in complex control systems."-- Provided by publisher