1. Record Nr. UNISA996465627503316

Titolo	Critical Information Infrastructure Security [[electronic resource]] : Third International Workshop, CRITIS 2008, Rome, Italy, October 13-15, 2008 / / edited by Roberto Setola, Stefan Geretshuber
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-642-03552-3
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (XIV, 396 p.)
Collana	Security and Cryptology ; ; 5508
Classificazione	DAT 460f DAT 465f SS 4800
Disciplina	005.8
Soggetti	Computer security Computer communication systems Quality control Reliability Industrial safety Applied mathematics Engineering mathematics Management information systems Computer science Algorithms Systems and Data Security Computer Communication Networks Quality Control, Reliability, Safety and Risk Mathematical and Computational Engineering Management of Computing and Information Systems Algorithm Analysis and Problem Complexity Kongress. Rom(2008)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.

Nota di contenuto

Blackouts in Power Transmission Networks Due to Spatially Localized Load Anomalies -- Stability of a Distributed Generation Network Using the Kuramoto Models -- Enabling System of Systems Analysis of Critical Infrastructure Behaviors -- Information Modelling and Simulation in Large Interdependent Critical Infrastructures in IRRIIS -- Multi-level Dependability Modeling of Interdependencies between the Electricity and Information Infrastructures -- Interdependency Analysis in Electric Power Systems -- Modeling and Simulation of Complex Interdependent Systems: A Federated Agent-Based Approach -- Self-healing and Resilient Critical Infrastructures -- Critical Infrastructures Security Modeling, Enforcement and Runtime Checking -- INcreasing Security and Protection through Infrastructure REsilience: The INSPIRE Project -- Increase of Power System Survivability with the Decision Support Tool CRIPS Based on Network Planning and Simulation Program PSS®SINCAL -- Information Modelling and Simulation in Large Dependent Critical Infrastructures – An Overview on the European Integrated Project IRRIIS -- Assessment of Structural Vulnerability for Power Grids by Network Performance Based on Complex Networks -- Using Centrality Measures to Rank the Importance of the Components of a Complex Network Infrastructure -- RadialNet: An Interactive Network Topology Visualization Tool with Visual Auditing Support -- Quantitative Security Risk Assessment and Management for Railway Transportation Infrastructures -- Assessing and Improving SCADA Security in the Dutch Drinking Water Sector -- Analysis of Malicious Traffic in Modbus/TCP Communications -- Scada Malware, a Proof of Concept -- Testbeds for Assessing Critical Scenarios in Power Control Systems -- A Structured Approach to Incident Response Management in the Oil and Gas Industry -- Security Strategy Analysis for Critical Information Infrastructures -- Emerging Information Infrastructures: Cooperation in Disasters -- Service Modeling Language Applied to Critical Infrastructure -- Graded Security Expert System -- Protection of Mobile Agents Execution Using a Modified Self-Validating Branch-Based Software Watermarking with External Sentinel -- Adaptation of Modelling Paradigms to the CIs Interdependencies Problem -- Empirical Findings on Critical Infrastructure Dependencies in Europe -- Dependent Automata for the Modelling of Dependencies -- Application of IPK (Information, Preferences, Knowledge) Paradigm for the Modelling of Precautionary Principle Based Decision-Making -- Disaster Propagation in Heterogeneous Media via Markovian Agents -- A Study on Multiformalism Modeling of Critical Infrastructures -- Simulation of Critical ICT Infrastructure for Municipal Crisis Management -- An Ontology-Based Approach to Blind Spot Revelation in Critical Infrastructure Protection Planning -- Security of Water Infrastructure Systems -- Critical Infrastructures as Complex Systems: A Multi-level Protection Architecture -- Challenges Concerning the Energy-Dependency of the Telecom Infrastructure -- An Effective Approach for Cascading Effects Prevision in Critical Infrastructures.

2. Record Nr. UNINA9910410020203321

Titolo	Accelerating the Transition to a 100% Renewable Energy Era / / edited by Tanay Sdk Uyar
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-40738-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (578 pages)
Collana	Lecture Notes in Energy, , 2195-1284 ; ; 74
Disciplina	333.794
Soggetti	Renewable energy resources Energy systems Energy policy Energy storage Renewable and Green Energy Energy Systems Energy Policy, Economics and Management Energy Storage
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Role of PV Technologies Research and Innovation for Transition to 100 % Renewable Energy Course Titles -- Role of Exergy in Renewable Energy System Design -- Energy Storage -- Smart Energy Systems The design of 100 % Renewable Energy Solutions -- How did Europe managed to commercialize renewable energy Technologies? -- Energy Storage -- Impact of Wind Year Selection on the Design of Optimized Energy Systems Based on Variable Renewable Energy Sources -- Effect of air inlet geometry on raw gas composition and tar content in a fuel flexible small scale downdraft gasifier -- Large Scale Wind Turbine Installation for Offshore Gas Platforms; Is It Feasible? -- Grid Code Survey on Frequency Control for Wind Power System -- The Thermodynamic analysis of a Solar-Wind Hybrid System in Lebanon- A case study in Deir Ammar El Baddawi -- A Portrait of Municipal Wastewater Treatment Systems in Turkey as Self-sustaining Renewable Energy Producers -- Urban Scaled Reference Energy System

Development with a Sectoral Focus -- A Model Based Analysis on End-Use Energy Efficiency for Çanakkale, Turkey -- Developing the Business as Usual Scenario for TR-33 Region with EnergyPLAN -- Design and Analysis of a 0.5 MW Grid-Connected Solar PV System in Karabuk University Using PVSYST Simulator -- A Review of Perylene Diimides for Solar Cell Application -- Energy and Exergy Analysis of Combined Cooling System with Parabolic Solar Collector Using Phase Change Material -- An Investigation of the Environmental Impacts on the Efficiency of Photovoltaic Panel in Adyaman, Malatya, anliurfa Region An Investigation of the Environmental Impacts on the Efficiency of Photovoltaic Panel in Adiyaman, Malatya, anliurfa Region -- Analysis of Funded PV Battery Systems in Germany: Prices, Design Choices and Purchase Motivation -- The Renewable Energy Act in Germany: Its Basic Idea and Recent Developments -- Performance Comparison of Multi-Effect Solar Assisted Absorption Refrigeration Systems Using Libr-H2O and Licl-H2O Working Pairs -- Turkeys Forecasting of Energy Demand with Artificial Neural-Network -- Determination of Biothermal Power Capacity of Some Agricultural Compost Varieties -- Design and Performance Assessment of a Grid-Connected PV System for Residential Power Generation -- Economic Comparison Of Building Heating With Geothermal Energy and Natural Gas -- A Review on The Economic Impact of Ice Thermal Energy Storage System -- Overview of Future for Offshore Wind Energy In Turkey -- Design Principles of Wind Turbine Installation Vessels -- The Affecting Factors of PV Efficiency and Applying FMEA Method -- Design and Analysis of Grid-Tied PV Panels with Cascaded H-Bridge Multilevel Inverters -- Development of Solar Energy Market, Industry and Utilization in Turkey -- Distributed Grid Integration of PV Generators and Islanding Protection in Turkey -- The Effects Of Soiling On Solar Photovoltaic Systems In The Cyprus -- Efficient Use of Energy to Achieve Global Warming Targets -- Decentralized Grid Control -- PV Integration in Diesel Grids -- Fuel Saving Technologies -- The Paris Agreement and the Future Role of Bioenergy -- Developing Bankable Biomass-To-Energy Projects Across Africa -- Performance Analysis of Grid Connected 250 kWp Dicle University Solar Power Plant in Diyarbakr/Turkey and Comparison with Simulation Results at Winter Conditions -- Control Techniques for Oscillating Wave Energy Converter -- The Techno-Economic Comparison of Solar Power Generation Methods for Turkish Republic of North Cyprus -- A Sustainable Power Generation Infrastructure Model For Turkey -- Turkey’s Renewable Future: Alternative Power Supply Scenarios for Turkey until 2030 -- Switch from Gas to Biomass in DH: Success Story of Lithuania -- Present Developments And Potential Of Biomass To Energy In Australia -- Comparison Of Renewable Energy Potential In Relation To Renewable Energy Policy In Ecowas Countries -- Predictive Analytics for Wind Farms -- Project Experience with Intelligent IT Solutions for Optimization of Plant Efficiency and Availability.

Sommario/riassunto

This book discusses renewable energy systems and applications, and demonstrates how an accelerated transition to 100% renewable energy can be achieved. It examines the systems from a thermodynamic perspective, focusing on the irreversible aspects of the current energy system and highlighting the solutions developed to date. Presenting global research and developments, this book is intended for those working within the field of renewable energy research and policy who are interested in learning how they can contribute to the transition from fossil fuels to renewable resources.