1. Record Nr. UNICAMPANIASUN0061892

Autore	Reed, Michael
Titolo	Methods of modern mathematical physics / Michael Reed, Barry Simon
Pubbl/distr/stampa	San Diego, : Academic, 1975-1980
Edizione	[Rev. and enl. ed]
Descrizione fisica	volumi : ill ; 24 cm.
Altri autori (Persone)	Simon, Barry
Soggetti	47-XX - Operator theory [MSC 2020] 42-XX - Harmonic analysis on Euclidean spaces [MSC 2020] 47Fxx - Partial differential operators [MSC 2020] 47B25 - Linear symmetric and selfadjoint operators (unbounded) [MSC 2020] 35R20 - Operator partial differential equations (= PDEs on finite-dimensional spaces for abstract space valued functions) [MSC 2020] 46F10 - Operations with distributions and generalized functions [MSC 2020] 46Nxx - Miscellaneous applications of functional analysis [MSC 2020] 42A38 - Fourier and Fourier-Stieltjes transforms and other transforms of Fourier type [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2.

Record Nr.	UNINA9911020141703321
Autore	Eden Benjamin
Titolo	A Course in Monetary Economics : Sequential Trade, Money, and Uncertainity
Pubbl/distr/stampa	Chichester, : John Wiley & Sons, Ltd., 2007
ISBN	9786611322526 9781281322524 1281322520 9780470701645 0470701641 9780470753484 047075348X 9780470752005 0470752009
Descrizione fisica	1 online resource (424 p.)
Disciplina	332.40151
Soggetti	Money Business Money - Mathematical models Uncertainty - Mathematical models Finance Business & Economics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	A COURSE IN MONETARY ECONOMICS; Contents; Preface; Part I: Introduction to Monetary Economics; 1 Overview; 2 Money in the Utility Function; 3 TheWelfare Cost of Infiation in a Growing Economy; 4 Government; 5 More Explicit Models of Money; 6 Optimal Fiscal and Monetary Policy; 7 Money and the Business Cycle: Does Money Matter?; 8 Sticky Prices in a Demand-satisfying Model; 9 Sticky Prices with Optimal Quantity Choices; 10 Flexible Prices; Part II: An Introduction to the Economics of Uncertainty; 11 Preliminaries; 12 Does Insurance Require Risk Aversion?

	13 Asset Prices and the Lucas "Tree Model"Part III: An Introduction to Uncertain and Sequential Trade (UST); 14 Real Models; 15 A Monetary Model; 16 Limited Participation, Sticky Prices, and UST: A Comparison; 17 Inventories and the Business Cycle; 18 Money and Credit in the Business Cycle; 19 Evidence from Micro Data; 20 The Friedman Rule in a UST Model; 21 Sequential International Trade; 22 Endogenous Information and Externalities; 23 Search and Contracts; Re
Sommario/riassunto	A Course in Monetary Economics is an insightful introduction to advanced topics in monetary economics. Accessible to students who have mastered the diagrammatic tools of economics, it discusses real issues with a variety of modeling alternatives, allowing for a direct comparison of the implications of the different models. The exposition is clear and logical, providing a solid foundation in monetary theory and the techniques of economic modeling. The inventive analysis explores an extensive range of topics including the optimum quantity of money, optimal monetary and fiscal policy, and uncerta

3.

Record Nr.	UNINA9911020125003321
Autore	Choudhury Tanupriya
Titolo	Cyber-Physical Systems for Innovating and Transforming Society 5. 0
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2025 ©2025
ISBN	9781394197750 1394197756 9781394197736 139419773X 9781394197743 1394197748
Edizione	[1st ed.]
Descrizione fisica	1 online resource (277 pages)
Collana	Artificial Intelligence and Soft Computing for Industrial Transformation Series
Altri autori (Persone)	KumarAbhijit TomarRavi BalamuruganS VishnoiAnkit
Disciplina	303.48/3
Soggetti	Cooperating objects (Computer systems) Technology - Social aspects
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Series Page -- Title Page -- Copyright Page -- Dedication -- Contents -- Preface -- Acknowledgement -- Chapter 1 Revolutionizing Legal Operations: Benefits and Best Practices of Cyber-Physical Systems in Society 5.0 -- 1.1 Introduction -- 1.1.1 Cyber-Physical System -- 1.1.2 CPS Usage in the Legal Field -- 1.2 Benefits of CPS in the Legal Field -- 1.2.1 Increased Efficiency -- 1.2.2 Enhanced Security -- 1.2.3 Improved Collaboration -- 1.2.4 Predictive Analytics -- 1.3 Applications of CPS in the Legal Field -- 1.3.1 Case Management -- 1.3.2 Contract Management -- 1.3.3 Document Management -- 1.3.4 Legal Research -- 1.3.5 Litigation Support -- 1.4 Challenges of Implementing CPS in the Legal Field -- 1.4.1 Resistance to Change -- 1.4.2 Cost of Implementation -- 1.4.3 Security Concerns -- 1.4.4 Complexity of Integration -- 1.5 Best Practices for Implementing CPS in the Legal Field -- 1.5.1 Understanding the Business Case for CPS -- 1.5.2 Assess the Technology Panorama -- 1.5.3 Develop a Comprehensive Implementation Plan -- 1.5.4 Ensure Statistics' Privacy and Security -- 1.5.5 Provide Adequate Schooling and Support -- 1.6 Examples of Successful CPS Implementation within the Legal Field -- 1.6.1 Law Firms -- 1.6.2 Corporate Legal Departments -- 1.6.3 Legal Technology Companies -- 1.7 Future of CPS -- 1.7.1 Potential for In-Addition Integration with Different Rising Technology -- 1.7.2 Potential for Extra Performance and Cost Savings -- 1.7.3 Potential for Extended Accuracy and Effectiveness of Criminal Methods -- 1.8 Conclusion -- 1.8.1 Recap of Benefits and Challenges of CPS in the Legal Field -- 1.8.2 Future Outlook for CPS Inside the Legal Subject -- 1.8.3 Way Forward -- References -- Chapter 2 Integrating Predictive Capabilities and Voice Biometric Authentication in Voice Assistants -- 2.1 Introduction -- 2.2 Literature Review. 2.3 Methodology -- 2.4 Discussion and Result -- 2.4.1 Limitations -- 2.5 Conclusion and Future Scope -- References -- Chapter 3 Leveraging Cloud Computing in Cyber-Physical Systems for Innovative Society 5.0 -- 3.1 Introduction -- 3.2 Scope and Objective -- 3.3 Overview -- 3.4 Layers of Metaverse -- 3.5 Social and Technological Challenges -- 3.6 Evolution -- 3.7 Social and Cultural Implications -- 3.8 Limitation -- 3.9 Conclusion -- References -- Chapter 4 Drone Management System to Detect Fire and Potholes on the Road Towards Smart City -- 4.1 Introduction -- 4.1.1 Management Mechanism -- 4.1.2 Pothole Detection -- 4.1.3 Fire Detection -- 4.2 Proposed Methodology -- 4.2.1 Acquisition of the Dataset -- 4.2.1.1 Deep Learning Model for Pothole and Fire Detection -- 4.2.2 Family YOLO -- 4.2.3 YOLO V5 -- 4.2.3.1 Framework Used -- 4.2.3.2 Benefits of YOLOv5 -- 4.3 Experimentation and Results -- 4.3.1 Data Annotations -- 4.3.2 Test Systems -- 4.3.3 Performance Metrics -- 4.3.3.1 Performance with Pothole Dataset Using YOLOv5 -- 4.3.3.2 Performance with Fire Dataset Using YOLOv5x -- 4.4 Conclusion -- References -- Chapter 5 A Comprehensive Approach to Cybersecurity and Healthcare Systems Using Artificial Intelligence and Robotics -- 5.1 Introduction -- 5.1.1 Hypothesis -- 5.1.1.1 What are the General Problems in Cybersecurity? -- 5.1.1.2 What are the General Problems in Healthcare? -- 5.1.1.3 What is the Significance of AI and the Field of Robotics? -- 5.1.1.4 What are the Challenges of AI in Cybersecurity and Healthcare and How can these be Overcome? -- 5.1.1.5 What is the Current State of Research in AI in Terms of Cybersecurity and

Healthcare? -- 5.1.1.6 What is the Future of AI from a Cybersecurity and Healthcare Perspective? -- 5.2 Methodology -- 5.2.1 Applications of AI in Cybersecurity Defense -- 5.2.2 Applications of AI in Healthcare. 5.2.3 Data Source -- 5.2.4 Exploration Criteria -- 5.2.5 Artificial Intelligence and Robotics -- 5.2.5.1 Characteristics of Artificial Intelligence -- 5.2.5.2 The Robotics Field -- 5.3 Conclusion -- 5.4 Future Direction -- References -- Chapter 6 Nonlinear Power Law Modeling for Test Vehicle Structural Response -- 6.1 Introduction -- 6.2 Theory -- 6.2.1 Linear Closure Phase Force-Deflection Model -- 6.2.2 Power Law Closure Phase Force-Deflection Model -- 6.2.3 Linear Separation Phase Force-Deflection Model -- 6.2.4 Power Separation Phase Force-Deflection Model -- 6.2.5 Power Law Kinematic Response -- 6.3 Methods and Materials -- 6.4 Results -- 6.5 Discussion -- References -- Chapter 7 Key Matrix Generation Techniques for Hill Cipher Cryptosystem - A Comparative Study -- 7.1 Introduction -- 7.2 Literature Review -- 7.3 Hill Cipher -- 7.4 Key Generation Methods for Hill Cipher -- 7.4.1 Magic Rectangle Method for the Generation of Key Matrix for Hill Cipher -- 7.4.2 A Generation of Self-Invertible Matrix for Hill Cipher Algorithm -- 7.4.3 A Generation of Self-Invertible Matrix Using Generic Approach -- 7.4.4 Alternate Approach for a Generation of Self-Invertible Matrix -- 7.5 Methodology for Comparative Study -- 7.5.1 Background and Overview -- 7.5.2 Security Aspect -- 7.5.3 Quality of the Techniques -- 7.5.4 Implementation Ease -- 7.5.5 Limitations -- 7.6 Conclusion and Future Prospects -- References -- Chapter 8 Machine Learning-Based Spotify Song Prediction -- 8.1 Introduction -- 8.2 Literature Review -- 8.3 Methodology -- 8.4 Experimental Results -- 8.4.1 Task 1: Time Series Analysis -- 8.4.2 Task 2: Recommended Artists -- 8.4.3 Task 3: Popularity Rating -- 8.4.4 Task 4: Differentiate Genres -- 8.5 Conclusion -- References -- Chapter 9 Artificial Intelligence and Sentiment Analysis in Political Campaigns -- 9.1 Introduction.
9.2 Artificial Intelligence and Sentiment Analysis in Modern Politics -- 9.3 Artificial Intelligence: A Catalyst for Political Transformation -- 9.4 Sentiment Analysis: Deciphering the Public Pulse -- 9.5 Applications AI and Sentiment Analysis in Modern Politics -- 9.6 Ethical Considerations -- 9.7 Artificial Intelligence in Political Campaigns -- 9.8 Use of Sentiment Analysis in Political Campaigns -- 9.9 Interrelated Variable Matrix for AI and Sentiment Analysis in Modern Politics -- 9.10 Cambridge Analytica: Data Scandal of Digital Politics -- 9.11 Digital Politics -- 9.12 Conclusion -- References -- Chapter 10 Digital Platforms and Leveraging Technologies to Enhance Learner Engagement -- 10.1 Introduction -- 10.2 Personalized Instruction and Adaptive Learning -- 10.3 Interactive Learning Experiences -- 10.4 Leveraging Technology: Inclusivity and Access to Education -- 10.5 Seamless Learning -- 10.6 Ethical Considerations and Digital Citizenship -- 10.7 Conclusion -- References -- Chapter 11 Disruptive Technologies in Cyber-Physical Systems in War -- 11.1 Introduction -- 11.2 Cyber-Physical Systems in Modern Warfare -- 11.2.1 Exploring Cyber-Physical Systems: Definition and Key Characteristics -- 11.2.2 Integration of CPS in Military Operations -- 11.2.3 Cyber-Physical Systems in Achieving Operational Objectives -- 11.3 Artificial Intelligence in Cyber-Physical Systems -- 11.3.1 Autonomous Weapon Systems and AI-Driven Decision-Making -- 11.3.2 Artificial Intelligence for Predictive Analysis and Situational Awareness -- 11.3.3 Ethical and Legal Implications of AI in Warfare -- 11.4 Autonomous Systems and Robotics -- 11.4.1 Drones and Unmanned Aerial Vehicles (UAVs) -- 11.4.2 Ground and Sea-Based Autonomous Systems -- 11.4.3 Challenges Faced in Deploying Autonomous Systems -- 11.5 Fifth Generation (5G)

Technology and Network-Centric Warfare.

11.5.1 High-Speed Data Transmission for Military Applications -- 11.5.2 Enhanced Connectivity and Communication in the Battlefield -- 11.5.3 Security Implications and Countermeasures in 5G Networks -- 11.6 Regulatory Frameworks for CPS Warfare -- 11.6.1 International Agreements on the Use of Disruptive Technologies -- 11.6.2 Establishing Norms and Standards for CPS in Warfare -- 11.6.3 Balancing the New Innovations with Ethical and Legal Considerations -- References -- Index -- Also of Interest -- EULA.

Sommario/riassunto

The book presents a suite of innovative tools to reshape society into an interconnected future where technology empowers humans to efficiently resolve pressing socio-economic issues while fostering inclusive growth. This book introduces a spectrum of pioneering advancements across various sectors within Society 5.0, all underpinned by cutting-edge technological innovations. It aims to deliver an exhaustive collection of contemporary concepts, practical applications, and groundbreaking implementations that have the potential to enhance diverse areas of society. Society 5.0 signifies human advancement and is distinguished by its unique synthesis of cyberspace with physical space. This integration harnesses data gathered via environmental sensors, processed by artificial intelligence, to enhance real-world interactions. This volume encompasses an extensive array of scholarly works with detailed insights into fields such as image processing, natural language processing, computer vision, sentiment analysis, and analyses based on voice and gestures. The content presented will be beneficial to multiple disciplines, including the legal system, medical systems, intelligent societal constructs, integrated cyber-physical systems, and innovative agricultural practices. In summary, Cyber-Physical Systems for Innovating and Transforming Society 5.0 presents a suite of innovative tools to reshape society into an interconnected future where technology empowers humans to efficiently resolve pressing socio-economic issues while fostering inclusive growth. Audience The book will be beneficial to researchers, engineers, and students in multiple disciplines, including the legal system, medical systems, intelligent societal constructs, integrated cyber-physical systems, and innovative agricultural practices.