

1. Record Nr.	UNINA9910676561303321
Titolo	The smart cyber ecosystem for sustainable development / / edited by Pardeep Kumar, Vishal Jain, Vasaki Ponnusamy
Pubbl/distr/stampa	Hoboken, NJ : , : John Wiley & Sons, Inc., , [2021] ©2021
ISBN	1-119-76166-2 1-119-76165-4 1-119-76167-0
Descrizione fisica	1 online resource (480 pages)
Disciplina	006.3
Soggetti	Artificial intelligence Internet of things Computer networks - Social aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Half-Title Page -- Series Page -- Title Page -- Copyright Page -- Contents -- Preface -- Part 1: INTERNET OF THINGS -- 1 Voyage of Internet of Things in the Ocean of Technology -- 1.1 Introduction -- 1.1.1 Characteristics of IoT -- 1.1.2 IoT Architecture -- 1.1.3 Merits and Demerits of IoT -- 1.2 Technological Evolution Toward IoT -- 1.3 IoT-Associated Technology -- 1.4 Interoperability in IoT -- 1.5 Programming Technologies in IoT -- 1.5.1 Arduino -- 1.5.2 Raspberry Pi -- 1.5.3 Python -- 1.6 IoT Applications -- Conclusion -- References 2 AI for Wireless Network Optimization: Challenges and Opportunities -- 2.1 Introduction to AI -- 2.2 Self-Organizing Networks -- 2.2.1 Operation Principle of Self-Organizing Networks -- 2.2.2 Self-Configuration -- 2.2.3 Self-Optimization -- 2.2.4 Self-Healing -- 2.2.5 Key Performance Indicators -- 2.2.6 SON Functions -- 2.3 Cognitive Networks -- 2.4 Introduction to Machine Learning -- 2.4.1 ML Types -- 2.4.2 Components of ML Algorithms -- 2.4.3 How do Machines Learn? -- 2.4.4 ML and Wireless Networks -- 2.5 Software-Defined Networks -- 2.5.1 SDN Architecture -- 2.5.2 The OpenFlow Protocol 2.5.3 SDN and ML -- 2.6 Cognitive Radio Networks -- 2.6.1 Sensing

Methods -- 2.7 ML for Wireless Networks: Challenges and Solution Approaches -- 2.7.1 Cellular Networks -- 2.7.2 Wireless Local Area Networks -- 2.7.3 Cognitive Radio Networks -- References -- 3 An Overview on Internet of Things (IoT) Segments and Technologies -- 3.1 Introduction -- 3.2 Features of IoT -- 3.3 IoT Sensor Devices -- 3.4 IoT Architecture -- 3.5 Challenges and Issues in IoT -- 3.6 Future Opportunities in IoT -- 3.7 Discussion -- 3.8 Conclusion -- References -- 4 The Technological Shift: AI in Big Data and IoT 4.1 Introduction -- 4.2 Artificial Intelligence -- 4.2.1 Machine Learning -- 4.2.2 Further Development in the Domain of Artificial Intelligence -- 4.2.3 Programming Languages for Artificial Intelligence -- 4.2.4 Outcomes of Artificial Intelligence -- 4.3 Big Data -- 4.3.1 Artificial Intelligence Methods for Big Data -- 4.3.2 Industry Perspective of Big Data -- 4.4 Internet of Things -- 4.4.1 Interconnection of IoT With AoT -- 4.4.2 Difference Between IIoT and IoT -- 4.4.3 Industrial Approach for IoT -- 4.5 Technical Shift in AI, Big Data, and IoT 4.5.1 Industries Shifting to AI-Enabled Big Data Analytics -- 4.5.2 Industries Shifting to AI-Powered IoT Devices -- 4.5.3 Statistical Data of These Shifts -- 4.6 Conclusion -- References -- 5 IoT's Data Processing Using Spark -- 5.1 Introduction -- 5.2 Introduction to Apache Spark -- 5.2.1 Advantages of Apache Spark -- 5.2.2 Apache Spark's Components -- 5.3 Apache Hadoop MapReduce -- 5.3.1 Limitations of MapReduce -- 5.4 Resilient Distributed Dataset (RDD) -- 5.4.1 Features and Limitations of RDDs -- 5.5 DataFrames -- 5.6 Datasets -- 5.7 Introduction to Spark SQL -- 5.7.1 Spark SQL Architecture

Sommario/riassunto

The Smart Cyber Ecosystem for Sustainable Development As the entire ecosystem is moving towards a sustainable goal, technology driven smart cyber system is the enabling factor to make this a success, and the current book documents how this can be attained. The cyber ecosystem consists of a huge number of different entities that work and interact with each other in a highly diversified manner. In this era, when the world is surrounded by many unseen challenges and when its population is increasing and resources are decreasing, scientists, researchers, academicians, industrialists, government agencies and other stakeholders are looking toward smart and intelligent cyber systems that can guarantee sustainable development for a better and healthier ecosystem. The main actors of this cyber ecosystem include the Internet of Things (IoT), artificial intelligence (AI), and the mechanisms providing cybersecurity. This book attempts to collect and publish innovative ideas, emerging trends, implementation experiences, and pertinent user cases for the purpose of serving mankind and societies with sustainable societal development. The 22 chapters of the book are divided into three sections: Section I deals with the Internet of Things, Section II focuses on artificial intelligence and especially its applications in healthcare, whereas Section III investigates the different cyber security mechanisms. Audience This book will attract researchers and graduate students working in the areas of artificial intelligence, blockchain, Internet of Things, information technology, as well as industrialists, practitioners, technology developers, entrepreneurs, and professionals who are interested in exploring, designing and implementing these technologies.

2. Record Nr.	UNINA9910154990503321
Autore	Westonia Elizabetha Johanna <1582-1612., >
Titolo	Neo-Latin women writers : Elizabeth Jane Weston and Bathsua Reginald [Makin] // selected and introduced by Donald Cheney ; general editors, Betty S. Travitsky and Patrick Cullen
Pubbl/distr/stampa	London ; ; New York : , : Routledge, , 2016
ISBN	1-315-24819-0
Descrizione fisica	1 online resource (342 pages)
Collana	Early Modern Englishwoman. Printed writings, 1500-1640, Series 1, Part 2 ; ; ; Volume 7
Altri autori (Persone)	CheneyDonald <1932-> CullenPatrick <1940-> TravitskyBetty <1942-> MakinBathsua <1600-approximately 1675.> WestoniaElizabetha Johanna <1582-1612.>
Disciplina	871/0408
Soggetti	Latin poetry, Medieval and modern - England Latin poetry, Medieval and modern - Women authors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	First published 2000 by Ashgate.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Poemata / Elizabeth Jane Weston -- Parthenica / Elizabeth Jane Weston -- Musa Virginea. Graeco-Latino-Gallica / Bathsua Reginald [Makin].
Sommario/riassunto	This volume contains the work of the only two Renaissance Englishwomen known to have published collections (as opposed to compilations) of their Latin poetry. Elizabeth Jane Weston lived in Prague as a child, her stepfather being alchemist to Rudolph II. Her stepfather's disgrace, imprisonment and death in 1597 left her to try and support her destitute family household with her writing. Her facility at Latin verses and the support of Georg Martinus von Baldhoven quickly led her to international fame. For Poemata we reprint here the copy of the 1602 edition owned by the Folger Shakespeare Library and for Parthenica we reprint the copy of the 1608(?) edition owned by the Houghton Library. Bathsua Reginald (Makin) was the daughter of Henry Reginald, a London school-master. She is said to have been fluent in Greek, Latin and French and to have knowledge also of Hebrew and Syriac. Her Musa virginea GrAlco-Latino-Gallica of 1616 certainly

confirm these claims to have been accurate. She later became tutor to Princess Elizabeth, daughter of Charles I. The work for which she is best known today is *An Essay to Revive the Antient Education of Gentlewomen* published in 1673. The work reproduced here is the 1616 edition of *Musa virginica* and as an appendix we also reprint an engraved card showing specimens of script.
