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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

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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.	UNINA9910255292903321
Titolo	Compassionate Migration and Regional Policy in the Americas / / edited by Steven W. Bender, William F. Arrocha
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Nota di contenuto	Introduction; Steven W. Bender and William F. Arrocha -- Part I. So Far From Compassion: The U.S.-Centric and Exclusionary Framework of Current and Past Immigration Policy, Steven W. Bender -- Chapter 1. The Power of Exclusion: Congress, Courts, and the Plenary Power; Victor C. Romero -- Chapter 2. The Subnational Response: Local Intervention in Immigration Policy and Enforcement; Karla McKanders -- Chapter 3. Federal Regulatory Policymaking and Enforcement of Immigration Law; Bill Ong Hing -- Chapter 4. Short-Hoeing the Long Row of Bondage: From Braceros to Compassionate Farm Worker Migration; Gilbert Paul Carrasco -- Part II. Exploring New Spaces for Dialogue and Regional Cooperation in the Americas to Protect Migrants' Human Rights; William F. Arrocha -- Chapter 5. The Need for a Compassionate Migration Regime for North and Central America: Restoring and Extending Universal Human Rights to Migrant Workers, Their Families, and "Survival Migrants"; William F. Arrocha -- Chapter 6.

The Challenges and Potential of a Universal Human Rights Regime to Manage Migration in the Americas; Raquel Aldana -- Chapter 7. The Response of Government and Organized Civil Society to the Nightmare of U.S. Deportations of Mexican Migrant Women; Ana Stern Leuchter -- Chapter 8. Visible and Invisible: Undocumented Migrants in Transit through Mexico; Rodolfo Casillas -- Chapter 9. Challenges in Building Institutions to Protect Transmigrants' Human Rights: The Mexican Case; Evelyn Cruz -- Chapter 10. Toward a More Compassionate Regional Migration Regime in South America; Juan Artola -- Part III. Envisioning Compassionate Migration: From Canada to Desert Trails and the Cities in Between; Steven W. Bender -- Chapter 11. Is Canada a Model for Compassionate Migration Policy?; Sasha Baglay -- Chapter 12. The Compassion of "Compassionate Migration"; John Shuford -- Chapter 13. Social Readiness: Care Ethics and Migration; Maurice Hamington -- Chapter 14. The Role of Arizona Desert Humanitarians in Compassionate Migration; Rebecca A. Fowler -- Chapter 15. Sourcing Compassionate Migration Policies: Searching for Venues of Humanity; Steven W. Bender..

Sommario/riassunto

This book explores the contested notion of compassionate migration in its discourse and practice. In the context of today's migration patterns within the Americas, compassionate migration can play a fundamental role in responding to the hardships that many migrants suffer before, during, and after their journeys. This volume explores the boundaries of compassion from legal, political, philosophical, and interdisciplinary perspectives, and supplies examples where state and non-state actors engage in practices of compassion and humanity through formal and informal regimes. Despite the lack of a concise and precise definition of the concept and practice of compassionate migration, all authors in this volume agree on the pressing need for more humane and compassionate treatment for those leaving their home country behind in search of a better life.
