1. Record Nr. UNINA9910983363903321 Autore Marino Domenico Titolo Generative Artificial Intelligence and Fifth Industrial Revolution / / edited by Domenico Marino, Melchiorre Alberto Monaca Cham:,: Springer Nature Switzerland:,: Imprint: Springer,, 2025 Pubbl/distr/stampa **ISBN** 9783031738807 3031738802 Edizione [1st ed. 2025.] Descrizione fisica 1 online resource (269 pages) Collana Lecture Notes in Networks and Systems, , 2367-3389; ; 880 Altri autori (Persone) MonacaMelchiorre Alberto Disciplina 006.3 Soggetti Computational intelligence Artificial intelligence **Economics** Computational Intelligence Artificial Intelligence Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia 1. Introduction -- 2. A Regional Indicator to Describe Potential Artificial Nota di contenuto Intelligence in Agriculture -- 3. Ethics effects on the investment decision making process -- 4. The Intricate Balance between Artificial Intelligence, Ethics, and Algorithmic Standards -- 5. Smart Citizens and AI: Trusting the AI -- 6. Public Administration reengineered applying AI models towards Precision Governance -- 7. Artificial Intelligence: crucial area of geopolitical and power competition between the West and Emerging Countries -- 8. Artificial Intelligence enables Precision Accounting design and tools -- 9. Who's afraid of "Big Bad" Generative AI? Brief notes on the IDPA provision against OpenAI ChatGPT -- 10. Predictability and calculability in tax proceedings: the state of the art --11 -- The Applications of Artificial Intelligence in automated checks of Tax declarations. Critical reconstructive insights -- 12. Simulation of the Impact of Digital Innovation on Export Volumes and CO2 Emissions in Italy -- 13. Artificial Intelligence, territory, town, and anthropization processes -- 14. Cities facing climate change. Sommario/riassunto In this digital era, artificial intelligence (AI) is emerging as a catalyst for

transformation across numerous fields, ranging from, economics,

environment, finance to healthcare, Al's integration into daily operations and strategic planning presents a pivotal shift towards datadriven decision-making and automation. Each chapter in this volume addresses a unique aspect of AI, from theoretical frameworks and technological advancements to practical applications and ethical considerations. This volume not only highlights the advancements and applications of AI but also addresses the critical challenges of bias, privacy, and ethical implications associated with AI deployment. Through a multidisciplinary approach, it aims to provide readers with a nuanced understanding of Al's role in modern society and its potential to address some of the most pressing challenges of our times. As we stand on the brink of technological revolutions, this volume serves as a guide and a critical examination of the potential pathways AI might forge in the future. It is an essential read for academics, industry professionals, policymakers, and anyone interested in the profound changes AI is poised to bring. This is a multi-author book, but not a collection of essays. In fact, although signed by different authors, all the chapters of the book follow a line of development which is traced in the first part of the book and deepen the various aspects in logical order. The various parts of the book will explore the most important features of AI and analyse the implications of AI in Economics, Law, Policies, Smart Citizens and Territorial Aspects.