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Titolo	Artificial General Intelligence (AGI) Security : Smart Applications and Sustainable Technologies / / edited by Salma El Hajjami, Keshav Kaushik, Inam Ullah Khan
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Descrizione fisica	1 online resource (381 pages)
Collana	Advanced Technologies and Societal Change, , 2191-6861
Disciplina	174.90063
Soggetti	Artificial intelligence Computational intelligence Security systems Cooperating objects (Computer systems) Artificial Intelligence Computational Intelligence Security Science and Technology Cyber-Physical Systems
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	-- Overview of Artificial General Intelligence (AGI). -- The benefits and risks of AGI. -- Overview of the book's objectives and structure. -- Cybersecurity challenges and risks in AGI development and deployment. -- Strategies for ensuring the safe and secure development and deployment of AGI. -- Ethical considerations in cybersecurity for AGI. -- The role of smart applications in facilitating the development of AGI. -- Economic and societal implications of AGI. -- Ethical and societal considerations in the development of smart applications for AGI. -- Introduction to sustainable technologies for AGI. -- Renewable energy and AGI.
Sommario/riassunto	This book highlights a collection of state-of-the-art research on Safe Artificial General Intelligence (AGI), highlighting the crucial role of cybersecurity, smart applications, and sustainable technologies in ensuring a secure AI future. It illustrates the latest trends in AI safety, exploring the potential risks and dangers associated with AGI

development and ways to prevent unintended consequences. The book discusses the convergence of various fields, such as AI, cybersecurity, smart applications, and sustainable technologies, by providing an overview of theoretical, practical, and simulation concepts of AGI. It also displays solutions that will help mitigate the risks and ensure the responsible and ethical development of AGI. It provides insights and perspectives from experts in these fields and offers a comprehensive guide to understanding the challenges and opportunities associated with the development of safe and secure AGI. The book includes chapters on various topics related to AGI security, including the ethical and legal aspects of AGI development, the role of explainability in ensuring transparency and accountability, the use of machine learning for intrusion detection and prevention, and the application of smart technologies for securing AGI systems. Additionally, it explores the impact of sustainable technologies on AGI security, such as the use of renewable energy sources to power AGI systems and the development of eco-friendly hardware. This book is a valuable source for researchers, students, and practitioners interested in the fields of artificial general intelligence, cybersecurity, smart applications, and sustainable technologies.