

1. Record Nr.	UNINA9911015860903321
Autore	Salkuti Surender Reddy
Titolo	Artificial Intelligence for Integrated Smart Energy Systems in Electric Vehicles / / edited by Surender Reddy Salkuti
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031942761 9783031942754
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (852 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 1427
Disciplina	621.3
Soggetti	Electrical engineering Automatic control Electric power production Electrical and Electronic Engineering Control and Systems Theory Electrical Power Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Artificial Intelligence in Electric Vehicles for Sustainable Driving -- Modernization of Electric Grids for Charging of Electric Vehicles -- Mitigating Impacts of Electric Vehicle Charging Stations to the Distribution Systems by Optimal Operation of Soft Open Point -- Performance Evaluation of Artificial Neural Networks for Electric Vehicle State of Charge Estimation across Different Driving Cycles -- GJO- Pattern Search Algorithm based DG and Capacitor Placement in Distribution Network with Zone based Installation of EVCSS, etc.
Sommario/riassunto	This book provides a comprehensive exploration of cutting-edge research in electric vehicles (EVs) integrated smart energy systems with a main focus on the application of artificial intelligence (AI). This book offers a wide and comprehensive practical approach with the applications of AI to address the challenges and opportunities of modern hybrid energy systems for developing advanced hybrid intelligent methodologies for forecasting and scheduling variable power output from renewable energy sources (RESs) and EVs. This will enhance system flexibility and facilitate the integration of RESs and EVs

efficiently, which is a step towards a sustainable future. The chapters cover diverse topics offering valuable knowledge and methodologies including an introduction to Artificial Intelligence (AI), Machine Learning (ML), Internet of Things (IoT), Cybersecurity, and their applications in modern power and energy systems, intelligent control of power electronics for RESs and EVs, intelligent charging management of EVs, etc. This book aims to provide insights into various suitable solutions to increase the security, reliability, and interoperability of the grid under high penetration of renewable energy, storage systems, and electric transport in the context of the modern smart grid. The multi-objective optimization problems such as economic and emission dispatch problems; flexibility and reliability problems; and economic and reliability problems are solved to determine the trade-off solutions using efficient evolutionary algorithms. The chapters cover diverse topics offering valuable knowledge and methodologies including an introduction to Artificial Intelligence (AI), Machine Learning (ML), IoT, Cybersecurity, and their applications in modern power and energy systems, intelligent control of power electronics for RESs and EVs, intelligent charging management of EVs, etc.

2. Record Nr.	UNINA9910734828003321
Autore	Haustein Jörg
Titolo	Islam in German East Africa, 1885–1918 : A Genealogy of Colonial Religion / / by Jörg Haustein
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Palgrave Macmillan, , 2023
ISBN	9783031274237 3031274237
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (337 pages) : illustrations (black and white)
Collana	Cambridge Imperial and Post-Colonial Studies, , 2635-1641
Disciplina	297.0967609034 960
Soggetti	Imperialism Religion - History Islam - History Africa, Sub-Saharan - History Europe, Central - History Africa - History Imperialism and Colonialism History of Religion Islamic History History of Sub-Saharan Africa History of Germany and Central Europe African History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introduction: Studying Islam in German East Africa -- 1.1 Previous Scholarship and Sources -- 1.2 Historical Overview and Chapter Plan -- I. Race and Religion: Islam and the 'Arab Revolt' -- 2. Supplanting "Arabdom": Race and Religion in the German Conquest -- 2.1 Islam and "Arabdom" in the Scramble for East Africa -- 2.2 The "Arab Revolt" in Imperial Reckoning -- 2.3 Insurgent Coalitions and "Arab" Identity -- 2.4 Islam and "Arab" Politics -- 3. Contested Philology: Kiswahili as Religious Language -- 3.1 Missionary Philology, Religion, and

Romanisation -- 3.2 Kiswahili as Contested Language -- 3.3 The Christianisation of Kiswahili -- 3.4 Race and Language: Colonial Religion and the Disavowal of Hybridity -- II. Colonial Instrumentality: Islam in the German "Civilising Mission" -- 4. Slavery and Religion: From Anti-Islamic Abolitionism to Christian Serfdom -- 4.1 The Quick Rise and Fall of the German Anti-Slavery Movement -- 4.2 Islam and Christianity in the "Civilising" Regime -- 4.3 Slavery in Missionary Campaigns and Parliamentary Debates -- 4.4 Bureaucratised Manumission and Coercive Labour Regimes -- 5. Educating for Islam? The German Government Schools and "Christian Civilising" -- 5.1 A School for Muslims in Tanga -- 5.2 "Secular" Schools and Missionary Complaints -- 5.3 Repression and Simple Equivalences -- 5.4 Colonial Instrumentality: Islam, Made in the Image of "Civilising" -- III. Coloured Justice: Colonial Jurisdiction and Islamic Law -- 6. Islam in the German Legal Order: Constitutional Conflicts and "Native Law" -- 6.1 The Schutzgebietsgesetz of 1886 -- 6.2 Implementing a Racial Divide -- 6.3 Defining Religious Exemptions -- 6.4 Islam in the Colonial Practice of "Native Law" -- 7. Studying Islamic Law: Elisions of German Scholarship -- 7.1 German Orientalism and Islamic Jurisprudence -- 7.2 "Native Law" and Islamic "Influence" -- 7.3 Coloured Justice: The Irreality of Colonial Law -- IV. Political Islam: The Making of "Islamic Danger" -- 8. Phantoms of Muslim Sedition: From Maji Maji to the "Mecca Letters" -- 8.1 Islam in the Maji Maji War -- 8.2 The "Mecca Letter" of 1908 -- 8.3 The Liabilities of "Islamic Danger" -- 8.4 Sufi Piety and Government Interventions -- 9. Mainstreaming "Islamic Danger": Scholars, Missionaries, and Colonial Surveillance -- 9.1 German Scholars and the Geopolitics of Islam -- 9.2 Becker's Islamwissenschaft and the Colonial Congress of 1910 -- 9.3 Colonial Press and Missionary Activism -- 9.4 Surveying Islam in East Africa -- 9.5 Political Islam: The Swan Song of Wartime Propaganda -- 10. Conclusion: A Genealogy of Colonial Religion -- 10.1 Pluralising Concepts: A Genealogy of Entangled Pretensions -- 10.2 Provincialising Europe: The Force of the Unrepresented -- 10.3 Rhizomatic Topography: The Sprawling Study of Islam.

Sommario/riassunto

In this rich and multi-layered deconstruction of German colonial engagement with Islam, Jörg Haustein shows how imperial agents in Germany's largest colony wielded the knowledge category of Islam in a broad set of debates, ranging from race, language, and education to slavery, law, conflict, and war. These representations of 'Mohammedanism', often invoked for particular political ends, amounted to a serious misreading of Muslims in East Africa, with significant long-term effects. As the first in-depth account of the politics of Islam in German East Africa, the book makes an essential contribution to the history of religion in Tanzania before British rule. It also offers a template for re-reading the colonial archive in a manner that recovers Muslim agency beyond a European paradigm of religion. Jörg Haustein is Associate Professor of World Christianity at the University of Cambridge and a Fellow of Selwyn College, Cambridge. Previously, he has taught at the School of Oriental and African Studies in London and the University of Heidelberg in Germany. He is a scholar of religion in Africa from the nineteenth century onward, specializing in Pentecostal Christianity, colonial Islam, and the intersection of religion and development.