

1. Record Nr.	UNINA9911011774203321
Autore	Michos Grigorios
Titolo	Nonlinear Robust Control and Optimisation of Microgrids / / by Grigorios Michos
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-89624-6
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (223 pages)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5061
Disciplina	321.319
Soggetti	Electric power distribution Automatic control Power electronics Energy Grids and Networks Control and Systems Theory Power Electronics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Literature Review -- Distributed Constrained-Based Control of DC Microgrids -- Tube-based Control of DC Microgrids -- Dynamic Tube Control Scheme for Islanded DC Microgrids -- Tube-Based Control for Islanded AC Microgrids -- Conclusions and Future Work -- Appendix A: Preliminaries: Theory and Notation.
Sommario/riassunto	This book introduces significant innovations to the field of power systems control. It follows a control-theoretic approach to analyzing networked microgrids, providing a deep understanding of system-dynamical behavior and insights into different system parameters. It promotes rigorous control design methods to achieve stable closed-loop dynamics. The proposed methods offer additional benefits such as robustness to system parameter perturbations and constrained operation. The book adds successive levels of complexity in the control design process, enhancing system behavior with valuable properties. Starting with the design of a distributed control scheme for meshed microgrids that enforces both coupled and uncoupled constraints, the book moves on to: reduce conservatism of the control schemes and

increase the closed-loop system's region of attraction using a geometric approach; limit system trajectories within the desired operational range by constructing control barrier functions and positive invariant sets; and facilitate the generalization of results to increase relevance beyond their origin in the control of power electronics. This book begins with an extensive introduction to relevant topics, making it accessible to recent graduates, professional engineers, and academic researchers.

2. Record Nr.	UNINA9911114483303321
Titolo	Pattern Recognition and Computer Vision : 8th Asian Conference on Pattern Recognition, ACPR 2025, Gold Coast, QLD, Australia, November 10–13, 2025, Proceedings, Part I // edited by Christian Wallraven, Ran He, Brian Lovell, Prithwi Chakraborty
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2026
ISBN	981-9543-95-9 9789819543953
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (XVII, 449 p. 148 illus., 136 illus. in color.)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 16174
Disciplina	006.4
Soggetti	Pattern recognition systems Artificial intelligence Application software Automated Pattern Recognition Artificial Intelligence Computer and Information Systems Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Few-Shot Connectivity-Aware Text Line Segmentation in Historical Documents. -- VeriChain: Reinforced Document Image Forgery Verification via Self-Revealing Reasoning Chain. -- A Transformer Based Handwriting Recognition System Jointly Using Online and Offline Features. -- Handwritten Text Image Editing with Diffusion Models and

Attention-based Matching. -- FLUX-Font: Stylized Font Generation Based on Fine-Tuning Pre-trained Diffusion Transformer. -- FGFENet: Fine-Grained Feature Enhancement Network for Brain Tumor Segmentation. -- Real-Time, Multi-center, Dual-task-based Cognitive Impairment Screening with Graph Convolutional Neural Networks. -- Newborn Fingerprint Recognition Using Fingerprint Classification. -- Robust Gait-Based Disease Estimation Against Occlusion and Distortion via Deep Mutual Learning. -- Zero-Shot Estimation of Compound Emotional Expressions from Facial Images Using Only Basic Emotional Expression Features. -- Rank-Aware Sports Scoring: A Learning-to-Rank Approach for Judged Sports. -- Estimating Learners' Position and Work Time for Teaching Reflection in Agricultural Training. -- MC2SC: Signal Transformation for Multi-Channel Signal Processing. -- Optimal Transport Regularization for Speech Text Alignment in Spoken Language Models. -- ICPCC: Importance-aware Crops Point Cloud Compression. -- From Coarse to Fine, Easy to Hard: Dual-Progressive 3D Hand Mesh Reconstruction. -- Hierarchical Spatial Mamba Framework for Point Cloud Classification. -- Heterogeneous Hierarchical Map Representation For Robotics Using Morse Smale Theory. -- Efficient Isomorphic Mesh Generation from Point Clouds via Group-wise Implicit Function Networks. -- DiffS-NOCS: 3D Point Cloud Reconstruction through Coloring Sketches to NOCS Maps Using Diffusion Models. -- Ensemble-Based Progressive YOLOv11 Framework for Quantitative Analysis of Riverine Environments. -- XMamba: Fully Enhanced Mamba for X-ray Prohibited Items Detection. -- DExNet: Combining Observations of Domain Adapted Critics for Leaf Disease Classification with Limited Data. -- SCReedSolo: A Secure and Robust LSB Image Steganography Framework with Randomized Symmetric Encryption and Reed–Solomon Coding. -- Finding Outliers in a Haystack: Anomaly Detection for Large Pointcloud Scenes. -- Rep2Face: Synthetic Face Generation with Identity Representation Sampling. -- Near Real Time Explainable Detection of Small Objects in Remote Sensing Imagery. -- Transformer deep learning to detect microsatellite instability using histopathological slides to guide colorectal and endometrial cancer immunotherapy. -- Facial image aging simulation and domain transformation using generative AI. -- Do End-to-End TTS Systems Exploit Patterns in Speech?.

Sommario/riassunto

This two-volume set LNCS 16174-16175 constitutes the refereed proceedings of the 8th Asian Conference on Pattern Recognition, ACPR 2025, held in Gold Coast, QLD, Australia, in November 10–13, 2025. The 60 full papers presented were carefully reviewed and selected from 118 submissions. The ACPR 2025 Conference focuses on four important areas of pattern recognition: pattern recognition and machine learning; computer vision and robot vision; signal, speech and video processing; and document, media processing and interaction, covering various technical aspects.

3. Record Nr.	UNINA9911135157403321
Autore	Bang Peter F (Peter Fibiger)
Titolo	Tributary Empires in Global History // by Peter Fibiger Bang, C. A. Bayly
Pubbl/distr/stampa	London : , : Palgrave Macmillan UK : , : Imprint : Palgrave Macmillan, , 2011
ISBN	9780230307674 0230307671
Edizione	[1st ed. 2011.]
Descrizione fisica	1 online resource (XIV, 294 p.)
Collana	Cambridge Imperial and Post-Colonial Studies, , 2635-1641
Disciplina	321/.03
Soggetti	Imperialism Social history History, Modern Civilization - History World history Anthropology Imperialism and Colonialism Social History Modern History Cultural History World History, Global and Transnational History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	A pioneering volume comparing the great historical empires, such as the Roman, Mughal and Ottoman. Leading interdisciplinary thinkers study tributary empires from diverse perspectives, illuminating the importance of these earlier forms of imperialism to broaden our perspective on modern concerns about empire and the legacy of colonialism.