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Nota di contenuto	-- Communication in Social Commerce: A Source for Consumer Trust. -- Algorithmic Decision-Making in Public Institutions: A Tripartite Analysis of Motivations and Barriers. -- Web Mining for Job Description Analysis. -- Energy Generating Footpaths with Adaptive Smart Street. -- A PSO-Optimized MLP Model for Financial Time Series Forecasting: Integrating Swarm Intelligence with Deep Learning. -- Training a neural network for early-stage detection of wheat stem rust infection. -- Explainable ML-Based Behavioural Ransomware De-tection for Secure Digital Governance. -- Interpretable Machine Learning Pipeline for Heart Disease Prediction Using Clinical Data. -- An Explainable

Ensemble Learning Framework for Imbalanced. -- Community Detection and Influence Mapping in Social Media Using SNA and Centrality Metrics. -- AI-Enhanced Wind Energy: Smarter Generation Through Predictive Modeling. -- Intelligent Model-Driven Road Accident Prevention. -- IoT-Enabled Smart Governance for Solar Energy Optimization in Intelligent Power Networks A Step Towards Society 5.0. -- An IoT- and AI-Based Framework for Smart Municipal Waste Management in Urban E-Governance Systems. -- Personalization in Digital Marketing: Enhancing Consumer Engagement Using AI. -- Development of Trajectory Optimizer MATLAB-Based Software for Oil Wellbore J-Type Drilling Calculations. -- The Impact of Modern Technology on Telecommunication Measurement Systems in a High-Demand Information Society. -- The Role of Computer Vision in Sustainable Agriculture: Applications, Technologies, and Challenges. -- Explainable Machine Learning for Transparent Decision-Making in E-Governance Systems. -- Explainable AI in Healthcare: A Hybrid CNN-ViT Approach for Pneumonia Detection using SHAP. -- Localized Decision-Making in Dynamic Social Networks Using Neighborhood Volatility and Temporal Influence.

Sommario/riassunto

This book constitutes the refereed post proceedings of the 4th International Conference on Electronic Governance with Emerging Technologies, EGETC 2025, held in Melbourne, Australia, during September 25–26, 2025. The 20 full papers and 1 short paper included in this book were carefully reviewed and selected from 54 submissions. This EGETC-2025 discusses the latest scientific results and technological innovations related to emerging technologies that support electronic governance. It serves as a forum for academics, scholars, and practitioners from academia and industry to share and exchange recent developments.
