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-- Keynote -- Implementation of the National Address System (NAS) in Malaysia: Policy and Technological (AI) Enablers through Visual-based Use Cases. -- Modeling and Simulation -- Design and Development of Multi-Party Quantum Key Distribution Simulation Framework based on Optical Frequency Division multiplexing in the fiber optics using OptiSystem. -- Data Quality Assessment Framework for Predictive Maintenance (PdM) in Industrial AI: Review. -- Exploring the Impact of Surface Temperature on Soil Moisture and Thermal Dynamics. -- Mixed Reality and Human-Computer Interaction -- A Review of Phatic Communication in Enhancing Social Engagement Among Older Adults. -- Design Elements in Brain-Computer Interface for Working Memory: A Decade Review. -- Effects of Alarm Sound Type on Sleep Inertia: Exploring Links with Individual Differences. -- Visualization of Physics Concepts and Investigation of Educational Effects Using Virtual Reality Teaching Materials with Object Tracking. -- Assessing the Effects of Virtual Teaching Tools on ESL Primary Students' Vocabulary Learning. -- Intelligent Data Analytics -- Social Media Analytics for Understanding Public Perception of Green Energy in Malaysia: Trends, Challenges, and Insights. -- RetinaNet vs. SSDMobileNetV2: A Comparative Study on Smartphone-Based Classification of Indonesian Rice Varieties. -- Scam Surveillance Model Integrating ELA-Based ResNeXt and BERT-Linguistic Fusion for Misinformation Detection. -- LoRA-based Efficient Fine-Tuning of Transformer Models for Short Text Classification. -- Enhancing Legal Text Classification Performance by using DistilBERT. -- A Review and Multi-Task Learning Approach for Emotion Identification in Cyber Sexual Harassment Using Large Language Models. -- Comparison of Clustering Method for LiDAR Loop-Closure Detection. -- EDAIN-Enhanced Machine Learning for Robust Carbon Price Forecasting in Volatile Market. -- Applied AI -- Visual Analysis and Scientometric Mapping of Deep Learning Techniques for Grapevine Disease Classification. -- Deep Learning-Based Emotion Recognition in Children with Real-Time Web Application Deployment. -- Multi-Scale Deep Learning for Ancient Brocade Pattern Restoration with Comprehensive Comparative Analysis. -- Ensemble-Based Automated Prostate Cancer Diagnosis Using Dual Swin Transformer UNet Segmentation (DSTra-UNet). -- Realtime Kick Motion Detection in Pencak Silat with YOLOv11. -- Mental Health Monitoring of Older Adults Using a Temporal Emotion Recognition Algorithm: An IoT-Driven Approach. -- Mimicking Man, Reaching God? The Plausibility of Superintelligent AI in the Light of Islamic Thought. -- A Generative AI Framework for Learning Management System (LMS) Chatbot Integration. -- Visual Informatics Applications -- A Comparative Review of Decentralized Autonomous Organizations Adoption in Social Impact Organizations Focusing on Transparency, Governance Models, and Adoption Challenges. -- Towards Sustainability Principles In Data Integration Framework: Smart Farming Context. -- Leveraging Business Intelligence and Text Mining for Automated Detection of Public Procurement Fraud. -- Comparative Analysis of Machine Learning Techniques for Predicting Students' Academic Performance. -- The Impact of Blockchain-enabled Transparency, Security, and Decentralization as a Driver of Knowledge-Sharing within Digital Governance Frameworks in Higher Education. -- Assessing the Role of IoT in Smart City Development in China. -- Smart Monitoring System for 3D printing. -- Design of Multi-Protocol Fast Charging Charger for Mobile Smart Devices Based on Gallium Nitride. -- Analyzing Factors of Public Engagement with Community Reporting Systems through a Business Intelligence Approach. -- Integration of Energy Informatics in Microalgae Biorefinery and

Bioenergy towards Environmental and Energy Sustainability in Smart Cities . -- A Review of Security Perspectives on the Implementation of Cloud Based ERP Systems.

Sommario/riassunto

This book constitutes the refereed proceedings of the 9th International Conference on Advances in Visual Informatics, IVIC 2025, held in Guangzhou, China in November 12-13, 2025. The 36 full papers presented were carefully reviewed and selected from 69 submissions. They are grouped into the following topics: Keynote; Modeling and Simulation; Mixed Reality and Human-Computer Interaction; Intelligent Data Analytics; Applied AI; Visual Informatics Applications.