Record Nr. UNINA9911046551003321 Autore Hassanien Aboul Ella Titolo The 9th International Conference on Advanced Machine Learning Technologies and Applications (AMLTA'25), Volume 1 / / edited by Aboul Ella Hassanien, Eman Karam El-Sayed, Ashraf Darwish, Vaclav Snasel Cham: .: Springer Nature Switzerland: .: Imprint: Springer, . 2026 Pubbl/distr/stampa **ISBN** 3-032-07336-7 Edizione [1st ed. 2026.] Descrizione fisica 1 online resource (380 pages) Collana Lecture Notes on Data Engineering and Communications Technologies. 2367-4520 ; ; 273 Altri autori (Persone) El-SayedEman Karam DarwishAshraf SnaselVaclav Disciplina 006.3 Soggetti Computational intelligence Artificial intelligence Machine learning Computational Intelligence Artificial Intelligence Machine Learning Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Explainable Deep Learning in Berry Classification through Attention Mechanisms and Grad-CAM -- Al-Driven Multimodal Evaluation of Communication Skills in Virtual Interviews -- Monsif: Automated Arabic Legal Judgment Prediction System for Egyptian Criminal Law -- A Novel Dimensionality Reduction Technique Based on Levels Analysis of Partially Ordered Sets. This volume showcases transformative AI research addressing real-Sommario/riassunto world challenges across healthcare, education, law, and digital security. Highlights include explainable deep learning for berry classification. Al-driven communication skill assessment in virtual interviews, and Arabic legal judgment prediction systems. From Quran recitation tools

> for children and retinal disease diagnosis to DeepFake detection, postquantum cryptography, and socio-economic impact modeling, these

works reflect Al's growing role in building a smarter, safer, and more inclusive future.