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| Soggetti | Computer networks Software engineering Application software Artificial intelligence Computer Communication Networks Software Engineering Computer and Information Systems Applications Artificial Intelligence |
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| Nota di contenuto | Information Systems and Technologies -- Improving Anomaly Detection in Network Traffic Using Choquet-Based Feature Engineering for Random Forest and XGBoost Models -- LLMs and Finetuning: Benchmarking cross-domain performance for hate speech detection -- Machine Learning-Based Solar Radiation Forecasting for Green Hydrogen Production -- Ties that mobilize: predicting sustained online protest participation from early social media reactions -- |

MobileTestPro: Testing Framework for Mobile Application -- Small-to-Large: Proportional Uniform Distribution Weights Transferring to Reduce Energy Consumption of Training the Models with Fully Connected Layers -- A Review of Comparative Studies on Performance Evaluation of Communication Mechanisms for Microservices -- A review on computer vision-based object and safe navigation zone identification for Autonomous Vehicles and Advanced Driver Assistance Systems (ADAS) -- Assessing the Relationship Between DevOps Practices and Customer Satisfaction: A Preliminary Analysis -- Enhancing Money Laundering Detection: A Comparative Study of Machine Learning Techniques and Sampling Methods -- Beyond the Like Button: Predicting How Risks Impact Trust on Instagram S-Commerce -- STEAMigPOWER: Empowering Migrants Through Inclusive STEAM Education Introduction: Education as a Lifeline in the Migration Crisi -- Urban and Regional Planning -- SUPERTRENTO: a practice-led design process for urban transformation -- Dynamic Parking Space Allocation for Real-Time Urban Management -- Well-Being in Italy: A Comprehensive Statistical Analysis Beyond GDP -- Composite indicators for performance evaluation in healthcare -- Territorial Dynamics of Housing: Structural Patterns, Market Accessibility, and Public Policy Implications -- Enhancing Malaria Control in Nigeria: A Data-Driven Approach to Prioritizing Insecticide-Treated Net Assessment -- Governance matters! Developing the foundations for a Transnational Integrated Planning Network -- Application of Machine-Learning Techniques for Water Quality Assessment in Coastal Environments: A Case Study of the Jacarepaguá Lagoon System at Rio de Janeiro/BR -- PHD Showcase Papers -- CFD Prediction of Slot Jet Impingement Heat Transfer -- Short Papers- Classification of Strawberry Maturity Level from Images Using Supervised Classifiers and Convolutional Neural Networks as Feature Extractors -- Software system for intelligent monitoring of storage systems through log analysis -- Unsupervised Learning for Calorimeter Response Correction: A WGAN-Based Method -- A Data-Driven Approach on Bioconvection Flow -- Finding sustainable clusters in supply chains dynamics via graph partitioning -- Implementation of Multiple Multiplicative Inverses Modulo 2^w Using Intel AVX-512 Instructions.

Sommario/riassunto

The three-volumes LNCS 15648, 15649, 15650 set constitutes the refereed proceedings of the 25th International Conference on Computational Science and Its Applications - ICCSA 2025, held in Istanbul, Turkey, during June 30–July 3, 2025. The 71 full papers, 6 short papers, and 1 PHD showcase paper were carefully reviewed and selected from 269 submissions. The papers have been organized in topical sections as follows: Part I: Computational Methods, Algorithms and Scientific Applications; High Performance Computing and Networks; Geometric Modeling, Graphics and Visualization; Advanced and Emerging Applications; Information Systems and Technologies; Urban and Regional Planning. Part II: Information Systems and Technologies; Part III: Information Systems and Technologies; Urban and Regional Planning; PHD Showcase Paper; Short papers. .
