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Nota di contenuto	-- Workshop on Advancements in Applied Machine-learning and Data Analytics (AAMDA 2025). -- Anomaly Detection for Vietnam Railway using Unsupervised Learning based on IoT Device Data Monitoring Railway Level Crossings. -- Aging-Based Weighting for Session Classification in User Behavior Analysis. -- Improving the Cloud Provider Ranking in the INDIGO PaaS Orchestration System using AI Techniques. -- Artificial Intelligence for Detecting Cultural Heritage

Issues on Overtourism Literature: a Topic Modeling Application. -- Leveraging Gamification to Strengthen Social Resilience and Climate Resilience. -- Towards Smarter Vegetation Health Clustering: Insights from Fractal Dimension, NDVI, and LST Metrics Derived Via Remote Sensing Landsa Dataset. -- Repository-Level Code Understanding by LLMs via Hierarchical Summarization: Improving Code Search and Bug Localization. -- Enhancing Industrial Time Series Anomaly Detection Through Graph Modeling and a Hybrid VAE-GAN Approach. -- Understanding Signal Feature Impact in CNN-Based Modulation Classification with Realistic Datasets. -- Advanced Processes of Mathematics and Computing Models in Complex Data-Intensive Computational Systems (AMCM 2025). -- Empirical analysis for future excellence tourism policies: the case of Arzachena. -- Data-Driven Time Series Modeling with Hurst Exponent for Nonlinear Indexes' Forecasting by Artificial Neural Networks. -- Fractal and Multifractal Analysis in Cancer Diagnosis and Segmentation with MRI Data. -- A Review of Artificial Intelligence's Impact on Cybersecurity in the Big Data Era. -- Facial Stress and Fatigue Recognition via Emotion Weighting: A Deep Learning Approach. -- Apache Spark Implementation of the Constrained K-Means Clustering Algorithm. -- Computational Linguistics and Media News: Linguistic Features and Lexical Choices with Time-Frequency Statistical Analysis. -- Arabic Sign Language Recognition using Image-Based Deep Learning and Edge User-Centered Interface. -- Comparing Emerging Technologies in Image Classification: from Quantum to Kolmogorov. -- Analyzing the Impact of Visual and Listing Features in Real Estate Listings. -- Advanced Numerical Approaches for assessment and design of no tension Masonry Structures (ANAMS 2025). -- Toward a Unified Approach to Torsion-Shear Constraints in Convex Limit Analysis of Masonry. -- Experimental and Numerical Investigation on SRG-to-Masonry Joint. -- Geometrical proportioning of masonry arch bridge. -- The effects of localised damage on the structural stability of masonry arches. -- Seismic performance of irregular buildings through the Continuous Airy-based for Stress Singularities method. -- Finite Element Upper Bound Limit Analysis for Automated Identification of Collapse Mechanisms in Masonry Structures. -- Airy-based form-finding of purely compressed masonry shells under vertical and horizontal loads. -- Insights into the collapse of the Asciglio masonry bridge in Benevento. -- FEMANOLA v3.0 as a tool to predict settlement-induced cracks in masonry walls. -- International Workshop on territorial Planning to integrate Risk prevention and urban Ontologies. (IWPRO 2025). -- Leveraging Gamification to Strengthen Social Resilience and Climate Resilience. -- Digital Twin as a Tool for Participatory Cultural Heritage Regeneration: The Case of Pavia Historical Urban Center in Italy.

Sommario/riassunto

The fourteen-volume set LNCS 15886-15899 constitutes the papers of several workshops which were held in conjunction with the 25th International Conference on Computational Science and Its Applications, ICCSA 2025, held in Istanbul, Turkey, during June 30–July 3, 2025. The 362 full papers, 37 short papers and 2 PHD showcase included in this book were carefully reviewed and selected from 1043 submissions. In addition, the conference consisted of 58 workshops, focusing on very topical issues of importance to science, technology and society: from new mathematical approaches for solving complex computational systems, to information and knowledge in the Internet of Things, new statistical and optimization methods, several Artificial Intelligence approaches, sustainability issues, smart cities and related technologies.
