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Nota di contenuto	-- Urban Space Accessibility and Mobilities (USAM 2025). -- Pedestrian Crash Severity Prediction and Contributory Factors Analysis by Using Machine Learning Methods. -- A brief overview of pedestrian accident modelling. -- A new methodology for using hybrid configurational tools for local analysis of pedestrian flows in large areas. -- Managing Sustainable Tourist Flows and Heritage Preservation in the Medina of Sousse A Space Syntax and GIS-Based Approac. -- Role of

Environmental Awareness in Demand-Responsive Transit Adoption: A Survey-Based Approach. -- Mapping Risk Factors to Build Inclusive Roads: A Systematic Diagnosis for Enhancing Vulnerable Users and Persons with reduced mobility Safety. -- Functional organizational strategies and practices in sparsely populated areas (SPA). A place-based proximity-oriented approach. -- Beyond Traffic Congestion: Developing Digital Twin to Enhance Accessibility to Points of Interest. -- Smart and Happy Cities: Towards a Definition and a Methodology for Evaluating the Emotional Perception of Happiness. -- GIS-based accessibility and safety assessment in small historic centres in inner areas. Pilot application in Stigliano (MT), and interoperability with a digital twin. -- UX Mobility 2025: Placing User Experience at the Center of Urban Mobility: Methods and Frameworks (UXM 2025). -- WizRD: A Personalized Way nding Platform for Enhanced Urban Navigation. -- Development of a walkability index in support of urban planning decision-making. -- Virtual Reality and Augmented reality and applications (VRA 2025). -- Real-time Rigging and Secondary Motion for Sketch-based 3D Characters. -- Digital Heritage to improve accessibility and break down architectural barriers. -- Hierarchical Sort-Based Parallel Interest-Matching Algorithm for Distributed Simulations. -- Fast Agent-Based Solution to Evaluate the Matching of Public Transport Offer vs Citizen Mobility Demand. -- A strategy utilizing an LLM and augmented reality for handling the missing data: a case study using Unity, Vuforia and ChatGPT. -- Workshop on Advanced and Computational Methods for Earth Science applications (WACM4ES 2025). -- A bridge between soil science and photonics: a novel framework for urban green space assessment. -- A multiparametric investigation of an earthquake by a Jupyter Notebook: the case study of the Amatrice-Norcia Italian seismic sequence 2016-2017. -- Mapping of the multi-risk analysis for the cultural heritage of Sardinia from the pre-Nuragic and Nuragic periods: initial results of the RETURN Project. -- PHD Showcase Papers. -- Effects of Different Attention Mechanisms Applied on 3D Models in Video Classification. -- The Real-Time IoT Data Security. -- Short Papers. -- Machine learning models for intelligent test case selection. -- Continuous Sky View Factor calculations using a parallel GPU workflow. -- Building the transition to clean energy in small and rural communities: lessons from the LIFE LOCAL GoGREEN project. -- Air quality and climate planning: paving the way for better integration. -- Ensemble machine learning model to analyse the correlation between Environmental Features and Respiratory Admissions in the Emergency Room.

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.