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Simulation-Based Analysis Using Space Syntax in Public Squares -- Smart, Close, and Happy City: A Global Index for Measuring Urban Well-Being. The Case Study of the San Benedetto Neighbourhood, Cagliari (Italy). -- From structural to TRAnsformative-change of City Environment: challenges & solutions & perspectives (TRACE 2025). -- Valuing nature: experimenting the GiVal toolkit for the economic evaluation of Nature-Based Solutions in Milan. -- Understanding Airbnb Supply in Rome: Multivariate Analysis of Prices and Accommodation Patterns. -- Quantifying the Loss of Property Value Due to Energy Ineeffciency: A Stranded Asset Risk Assessment in the Real Estate Sector. -- Rationalizing evaluation legal models for affordable home ownership and leasehold interests in Italy. -- A GIS-based spatial evaluation model for planning urban regeneration investments. -- A set of criteria for the assessment of the suitability of a building to be converted for use as a healthcare facility. -- Spatial analysis of urban decay: spillover effects and significant patterns for the city of Rome (Italy). -- Construction Cost Estimate and Building Information Modeling in Renovation Projects Early Design Stages. -- Supporting the Transition to Ecological Economy in cities Regeneration: circular model tools for reusing architecture and infrastructures (TReE 2025). -- Multi-Criteria Decision Aiding for adaptive reuse of Cultural Heritage: an application in the city of Naples (Italy). -- Participatory strategies for supporting decision making in cultural heritage adaptive reuse interventions. -- The Role of Urban Planning in Building the Circular Urban Model. The case of Naples. -- Adaptive reuse of religious cultural heritage: the case study of the Church "Santissimo Nome di Gesù" in Turin (Italy). -- Cultural and Creative Practices as Drivers of Circular Economy: A 9R Framework Perspective. -- Building the future while preserving the past: Digital Tools and Community Engagement to "Re-Generate" Historic Buildings in post-disaster scenarios. -- Transport Infrastructures for Smart Cities (TISC 2025). -- Interpretable Crash Severity Prediction Models to Improve Cyclist Safety. -- A Macroscopic and Physically-based Relationship between Bike Speeds and Energy Expenditure during commuting trips -- Estimation of pedestrian flows with open-source crowding data: An integrated model in Nomentano-Tiburtina district, Rome. -- A multivariable econometric model for forecasting passenger demand at Cagliari-Elmas airport. -- Assessing Skid Resistance of Indoor Pavements Using the Tortus friction test and British Pendulum Devices: A Case Study. -- Road accidents - Study of the evolution and mapping of accidents within the Municipality of Cagliari - Italy. -- Traffic Light Control at Intersections in case of Heterogeneous Traffic using Reinforcement Learning. -- Web of Things based Advanced Smart Parking Management Solution.

| 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. |