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Nota di contenuto	-- Theoretical and Computational Chemistry and its Applications (TC-CMA 2025). -- Computational Insights into Perovskite Materials: Classical Molecular Dynamics and Ab Initio Approaches. -- Comparative Evaluation of Molecular Representation Models for Simulation of Methane Adsorption on Graphtriyne Sheet. -- Permeation of Polychlorinated Biphenyls through Lipid Membranes: Classical MD and QM/MM-EDA Analysis. -- On the Mechanism Responsible of the Varying Adsorption Affinities of CO2, N2 and H2O on Graphtriyne

Membranes. -- Accurate Force Field for Dimer Interactions: From Acetone to Dimethylsulfoxide. -- Sustainable Tourism Evaluations: approaches, methods and indicators (STEva 2025). -- Tourism Ecosystems New Challenges. -- Towards a user-centered ex-post evaluation: monitoring Jubilee 2025. -- Hostile architecture as a tool of exploitation of tourists and contrast toward residents. First assessments of the effects. -- Sustainable development of PORTS (SUSTAINABLEPORTS 2025). -- Assessing Ship Emissions: An Estimation Approach applied to the port of Catania (Italy). -- ICT factors affecting ship times in container ports: experimental analysis at country level. -- National and local factors affecting ship times in container ports: system of models at country and port level. -- Enhancing Port Accessibility: Challenges, Measures, and Sustainability in Terminal Design. -- Spatial Temporal Simulation of Routes Connecting Containers Ports. -- Smart and Sustainable Island Communities (SSIC 2025). -- On the application of the new Italian Bridge Guidelines: the case of Sardinia region. -- Linking Tourism Hotspots and Vulnerability to Climate Change - Case Study Rhodes Island, Greece. -- Developing a Methodological Framework to Assess Social Equity in Regional Spaces Through the Lens of Space Syntax. -- BIM and building heritage management: interoperability issues in structural design. -- From STreet Experiments to Planned Solutions (STEPS 2025 ). -- Planning guidelines for parklets installation: a possible integration into urban planning strategies. -- A New Definition of a Smart and Healthy City Through a Literature Review on Accessible Urban Green Space. -- How to Ensure Safety and Promote the Permanence of School Streets?. -- CPSO FOR INNOVATIVE TRANSPORT PLANNING AND DESIGNING. -- Temporary Real Estate management: Approaches and methods for Time-integrated impact assessments and evaluations (TREAT 2025). -- PS-U-GO's Urban Living Lab: An Educational Space for Urban Commons in Naples (Italy). -- A game-based collaborative decision-making approach for cultural heritage reuse. -- Good Practices Inventory and Why It Matters to Urban Health and Inclusivity. -- Transdisciplinary Impact-oriented Strategies through a Design-Evaluation approach: The case Study of Confiscated Assets from the Mafia in Naples. -- Transforming Urban Analytics: The Impact of Crowdsourced Mapping and Advanced AI Techniques on Future Cities (Tr-UrbAna 2025). -- Predicting visitors' digital footprints using spatial features and synthetic pedestrian data. -- Crowdsourced Data for Urban Planning: A Critical Evaluation of OpenStreetMap Accuracy and Completeness. -- Urban Digital Twins and Data Spaces: Shaping the Future of Sustainable Cities (TwinAbleCities 2025). -- GATE Mobility Toolbox for QGIS: Calculation of Walking Accessibility Using Slope-Adjusted Algorithms. -- Location-Allocation of Social Amenities Based on Constraint Programming. -- Urban Digital Twins and Data Spaces: Shaping the Future of Sustainable Cities (TwinAbleCities 2025). -- Urban and Valuation Aspects of an Illegal Neighborhood: The Case of Campo Sorbo in Ancient Capua.

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## 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.

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