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Nota di contenuto	-- Workshop on Computational Science and HPC (CSHPC 2025). -- Development of AFCAL: An Asteroid Flux Density Calculator for ALMA Observations. -- Methods for expansion of 3-loop 2-point Feynman integrals. -- Assessing the Performance of Mixed-Precision ILU(0)-Preconditioned Multiple-Precision Real and Complex Krylov Subspace Methods. -- Stochastic variational method as a machine learning approach to large-scale few-body system calculations. -- Accelerating iterative linear equation solver using modified domain-wall fermion

matrix in lattice QCD simulations. -- Governance of energy transition: environmental, landscape, social and spatial planning (ENERGY\_PLANNING 2025). -- A Comparative Analysis of Energy Transition and Carbon Footprint in the Mediterranean Islands. -- Ecosystem services in spatial planning for climate neutral urban and rural areas (ESSP 2025). -- The update of the Provincial Structural Plan of Potenza to strengthen climate change adaptation policies in the governance of Basilicata. -- A systematic review of Climate Action Plans. A focus on urban green spaces for adaptation and energy saving. -- Carbon sequestration and provision of ecosystem services: Evidence from Campania Region, Italy. -- Mapping Recreational Services and Beneficiaries in the Sardinia Region Using ESTIMAP with Tourism Insights. -- A Methodological Approach for Identifying Hotspots of Regulating Ecosystem Services: Insights from Campania and Sardinia, Italy. -- Climate Change and Urban Open Spaces: A Spatial-Statistical Analysis of Adaptive Capacity in Naples. -- The 15th International Workshop on Future Information System Technologies and Applications (FiSTA 2025). -- ShieldNetMapper: Internet of Things Powered Predictive Model for Real-Time Network Threat Detection and Response. -- Whisper, Translate, Speak, Sync: Video Translation for Multilingual Video Conferencing using Generative AI. -- Autonomous Network Reconstruction Using LPWA for Disaster Prevention. -- The 15th International Workshop on Future Information System Technologies and Applications (FiSTA 2025). -- Emotions Geogame: Developing a Game for Mapping Emotions and Evaluating Places. -- Geographical Analysis, Urban Modeling, Spatial Statistics 2025 (Geog-And-Mod 2025). -- Real-Time Monitoring and Active Control of Autonomous Agricultural Robot Trajectories Using an Edge-Fog Architecture. -- A hydrodynamic model of the Mississippi Sound, USA. -- Analyzing Zipf's Law: Reflections on Power Law or Sigmoid Distribution. -- MULTICRITERIA ANALYSIS BASED ON GIS FOR THE POTENTIAL ZONING OF ARTISANAL TILAPIA AQUACULTURE (*Oreochromis* sp). -- Harnessing AI for future scenarios: Exploration approaches for sustainable planning in Taranto, Italy. -- Classifying Human Activities in Urban Spaces with a Multimodal AI: Towards a Massive Assessment of Urban Affordances. -- Trajectory Analysis Applied to Crime Incidence. -- Impact of Climate Change on Agricultural Productivity in the East African Community: Quantitative Analysis. -- Assessing Local Human Development in Poland: Insights from 2010 and 2023. -- HERitage and CLIMate neutrality. Resilient approach for nature centered/based sustainable cities. (HERCLIMA 2025). -- Analysis of Factors Influencing the Development of Health and Wellness Tourism in the Context of Sustainable Urban and Regional Development in Uzbekistan. -- From Tourism as an opportunity for growth to the discomfort of Overtourism: the erosion of public space and the need to rethink cities.

## 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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