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Nota di contenuto	Smart Tourism (SmartTourism 2023) -- The concept of smart marinas for the implementation of Croatian nautical tourism -- A Decade Bibliometric Analysis of Decision Making in Tourism and Hospitality -- Smart Touristic Ports - The emergence of sustainable marinas from Smart conversion. What future for Sardinia's ports -- Assessing

Management Effectiveness: Manglares El Salado Fauna Production Reserve study case -- Smart and slow tourism in protected natural contexts -- Spatial Energy planning, city and Urban Heritage (Spatial_energy_city 2023) -- Conservation and regeneration for a sustainable and circular city -- Problem setting on energy risk and climate change adaptation: topics and tools -- The role of spatial circular planning in urban governance. A set of indicators to evaluate performance of urban regeneration -- Theoretical and Computational Chemistry and its Applications (TCCMA 2023) -- Protein tetrahedral networks by invariant shape coordinates -- Guided Clustering for Selecting Representatives Samples in Chemical Databases -- Thermodynamic Analysis of Digestate Pyrolysis Coupled with CO₂ Sorption -- Coding Cross Sections of an Electron Charge Transfer Process: analysis of different cuts for the entrance and exit potentials -- Transport Infrastructures for Smart Cities (TISC 2023) -- Sustainable retrofitting of urban streets for mitigation of traffic vibration by means of anti-vibrating trenches -- Some remarks on automatic braking system related to pedestrian safety -- Potential Application of Marble and Crushed Mussel Shells By-Products to be Used as Aggregates in Plain Concrete Mixes -- Impact Indexes Comparison Study Using Environmental Product Declarations (EPDs) on Innovative Cement Bound Granular Material Pavement Layers -- THE EFFECT OF SUBGRADE CAVITY ON PAVEMENT. A CASE STUDY -- Motorway performance in Europe and Greece -- Execution Time Experiments to Solve Capacitated Vehicle Routing Problem -- Analysis of the impact on the safety and sustainability of vehicular traffic in the landside area of Olbia - Costa Smeralda- airport -- INTERNATIONAL DESIGN PRACTICES FOR ROUNDABOUTS -- Urban Regeneration: Innovative Tools and Evaluation Model (URITEM 2023) -- Decision support system for the management of interventions on buildings in the historic centre of Florence: from conservation to regeneration -- Knowledge as a prodromal action for urban regeneration and sustainable development: the case study of Municipality of Fondi -- Metabolic Approaches to Regeneration of the Historic Mondeggi Villa Estate -- Environmental and Landscape Constraints and Legislative Provisions in Territorial/Urban Planning and Building Constructions: impacts in urban regeneration -- Urban Space Accessibility and Mobilities (USAM 2023) -- Accessibility and Polarities of Pedestrian Network in University Campuses. A Space Syntax Application -- A data-driven approach for a city-university mobility plan: the case of the University of Pisa -- Developing a parsimonious classification of traffic analysis zones using a large number of accessibility indicators and transportation level of service -- Research Trends in Tourism Participation: A Bibliometric Analysis using the Scopus Database -- Describing and Understanding the Morphology of the Urban Landscape. The Case Study of Cagliari, Italy -- The Emergence of Robotics in Tourism and Hospitality: A Bibliometric Analysis from 2017 to 2023 -- Sustainability crossing the city: developing a sustainable infrastructures system for Genoa urban center -- Virtual reality and augmented Reality and Applications (VRA 2023) -- An exploration towards sustainable metaverse systems for e-learning by student designers: A meta-analysis -- Design and Develop of a Smart City Digital Twin with 3D Representation and User Interface for What-If Analysis -- Numerical simulations of 1461 and 1762 San Pio delle Camere (L'Aquila) earthquakes using 3D physic-based model -- Graphical visualization of phase surface of the Spratt type A system immersed in 4D -- Open metaverse with open software -- Aerial and terrestrial LiDAR: comparisons and accuracies -- Workshop on Advanced and Computational Methods for Earth Science applications

(WACM4ES 2023) -- Exploring the Signature of the Apollo Medicine in the Central Mediterranean Sea through Multi-Source Data Analysis: Satellites, Radar HF, Marine Buoys, and Seismic Data in October 2021 -- (Pseudo-)3D Inversion of Geophysical Electromagnetic Induction Data by Using an Arbitrary Prior and Constrained to Ancillary Information -- Transportation infrastructures exposed to seismic risk: evaluation of social costs for resilience design -- LOW-COST GEOMATICS SURVEYS FOR EMERGENCY INTERVENTIONS ON CULTURAL HERITAGE. THE CASE OF HISTORIC WALLS IN CAGLIARI -- AGEO: Advanced Citizens' Observatory for Atlantic Geohazard Risk Management -- Multidisciplinary research at the Castle of Santapau (Licodia Eubea, Italy): new data for the research, protection and enhancement of the archaeological site.

Sommario/riassunto

This nine-volume set LNCS 14104 – 14112 constitutes the refereed workshop proceedings of the 23rd International Conference on Computational Science and Its Applications, ICCSA 2023, held at Athens, Greece, during July 3–6, 2023. The 350 full papers and 29 short papers and 2 PHD showcase papers included in this volume were carefully reviewed and selected from a total of 876 submissions. These nine-volumes includes the proceedings of the following workshops: Advances in Artificial Intelligence Learning Technologies: Blended Learning, STEM, Computational Thinking and Coding (AAILT 2023); Advanced Processes of Mathematics and Computing Models in Complex Computational Systems (ACMC 2023); Artificial Intelligence supported Medical data examination (AIM 2023); Advanced and Innovative web Apps (AIWA 2023); Assessing Urban Sustainability (ASUS 2023); Advanced Data Science Techniques with applications in Industry and Environmental Sustainability (ATELIERS 2023); Advances in Web Based Learning (AWBL 2023); Blockchain and Distributed Ledgers: Technologies and Applications (BDLTA 2023); Bio and Neuro inspired Computing and Applications (BIONCA 2023); Choices and Actions for Human Scale Cities: Decision Support Systems (CAHSC-DSS 2023); and Computational and Applied Mathematics (CAM 2023).
