1. Record Nr. UNINA9910878048403321 Autore Gervasi Osvaldo Titolo Computational Science and Its Applications - ICCSA 2024 Workshops: Hanoi, Vietnam, July 1-4, 2024, Proceedings, Part VIII Pubbl/distr/stampa Cham: .: Springer International Publishing AG. . 2024 ©2024 **ISBN** 3-031-65318-1 Edizione [1st ed.] Descrizione fisica 1 online resource (494 pages) Collana Lecture Notes in Computer Science Series ; ; v.14822 Altri autori (Persone) MurganteBeniamino GarauChiara **TaniarDavid** C. RochaAna Maria A Faginas LagoMaria Noelia Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Intro -- Preface -- Welcome Message from Organizers -- Organization -- Plenary Lectures -- Harnessing Artificial Intelligence for Enhanced Spatial Analysis of Natural Hazard Assessments -- Software Engineering Research in a New Situation -- Interpretability and Privacy Preservation in Large Language Models (LLMs) -- Contents - Part VIII --Socio-Economic and Environmental Models for Land Use Management (SEMLUM 2024) -- Values and Prices in the Historic City. Divergences and Value Creation -- 1 Introduction -- 2 Theory on Sub-markets Analysis -- 3 The Case Study -- 4 Method -- 4.1 Database Real Estate Characteristics -- 4.2 Fuzzy Clustering -- 5 Results -- 5.1 Identifying Real Estate Submarkets in Ortigia Based on Fuzzy Clustering -- 6 Conclusion and Discussion -- References -- The Optimal Functional Mixture for Student Housing Initiatives: An Italian Case Study -- 1 Introduction -- 1.1 Italian Student Housing Market -- 2 Aim -- 3 Background -- 4 Methodology -- 5 Case Study -- 5.1 Analysis

of the Market Demand -- 5.2 Proposed Management Model -- 5.3 Model Application -- 6 Conclusions -- References -- Impacts of Urban Decay on the Residential Property Market: An Application to the City

Methodology -- 4.1 WLS Regression Model -- 4.2 Phase 1. Identification of the Explanatory Variables 'Set -- 4.3 Phase 2. Data Collection and Correlation Analysis -- 4.4 Phase 3. Regression Analysis -- 4.5 Phase 4. Results Discussion -- 5 Conclusions -- References --An Analysis of the Airbnb Market: A Detailed Look at Four Italian Cities -- 1 Introduction -- 2 Literature Review -- 3 Case Study -- 3.1 Research Areas -- 3.2 Data Description -- 3.3 Methods -- 3.4 Results and Discussions -- 4 Conclusions -- References. A Rational Method for the Quick Assessment of the Areas' Weights Applied to the Italian Context -- 1 Introduction -- 2 Aims -- 3 Method -- 4 Application of the Proposed Method in the Italian Context -- 5 Conclusions -- References -- Assessing the Value of Cultural Landscapes Through the Integration of Biophysical-Economic Valuation, Risk Assessment and Cost-Benefit Analysis -- 1 Introduction -- 2 Methodology -- 2.1 Literature Review on Ecosystem Services Approach with Risk Assessment -- 2.2 Economic Evaluation for Resilient Cultural Landscapes -- 3 Discussion of the Results -- 3.1 The Literature Review on Ecosystem Services and Risk Assessment --3.2 The Literature Review on Economic Evaluation Methods -- 4 Conclusions -- References -- A Systematic Analysis of the Scientific Literature on the Relationships Between Urban Redevelopment Initiatives and Property Market Dynamics -- 1 Introduction -- 2 Aim --3 The Methodology Adopted for the Literature Review Development --4 Results of the Records Analysis -- 5 Conclusions -- References --4th Workshop on Privacy in the Cloud/Edge/IoT World (PCEIoT 2024) --Exploring the Privacy Horizons: A Survey on HCI & amp -- HRI -- 1 Introduction -- 2 Methods -- 2.1 Keywords, Databases, and Search Strategy -- 2.2 Data Extraction -- 3 Privacy: A Preliminary Analysis -- 4 Privacy Issues in HCI and HRI -- 4.1 Privacy Issues in Voice Assistants and Connected Devices -- 4.2 Privacy and Security Issues in Drone Use -- 4.3 Privacy Considerations and Issues About Social Robots in Public and Private Environments -- 4.4 Privacy Considerations about the Use of Apps -- 4.5 Privacy Considerations - Ethical and Legal Implications -- 5 Techniques and Design Strategies for Privacy Preservation -- 5.1 Data Anonymization -- 5.2 Encryption -- 5.3 Privacy by Design -- 6 Conclusion -- References. A Tool to Support Automation of Risk Assessment -- 1 Introduction --2 Risk Analysis and Assessment -- 2.1 Information Security Risk Management -- 3 GDPR and Record of Processing Activities -- 3.1 The Entities Involved in the Processing -- 3.2 Institutional Purposes of the University -- 4 DPIA: Data Protection Impact Assessment -- 4.1 Why Conduct a DPIA? -- 4.2 How to Conduct a DPIA -- 5 PIA Tool (Privacy Impact Assessment) -- 6 The Proposed Solution -- 6.1 Collection of Information for DPIA Automation -- 6.2 Python Code for DPIA Automation -- 7 Conclusion -- References -- Preventing Data Tampering in Smart Grids: A Blockchain-Based Digital Twin Framework -- 1 Introduction -- 2 State of the Art -- 3 Methodology -- 3.1 Heterogenous Data Collections -- 3.2 Digital Twin -- 3.3 Real-Time Series Database -- 3.4 Machine Learning Model -- 3.5 Blockchain Backup -- 4 Results -- 5 Conclusion -- References -- Sustainable Evolution of Long-Distance frEight paSsenger Transport (SOLIDEST 2024) -- A Preliminary and Aggregate Analysis Relating to the Italian and Balkan Intermodal Corridors for the Development of International Freight Trade -- 1 Introduction -- 2 (General) Framework on TEN-T and RFC -- 3 Methodology -- 4 Results -- 4.1 Scenarios 0 - 1 - 2 Balkans -- 4.2 Scenarios 0 - 1 - 2 Italy -- 4.3 Scenarios 3 - 4 Greece

vs. Italy -- 5 Discussion and Final Remarks -- References -- Railway

of Rome (Italy) -- 1 Introduction -- 2 Aim -- 3 Background -- 4

Demand Evaluation: HSR Induced Component -- 1 Introduction -- 2 HSR Travel Demand Models -- 3 Literature Review of Induced Demand -- 4 Discussion -- 5 Conclusion -- References -- Dynamic Structure of Fares for High Speed Rail Services -- 1 Introduction -- 2 Literature Review -- 3 Framework for Analysis of Dynamic Fares -- 4 Pilot Experimentation on the Rome-Milan Relationship -- 5 Conclusions -- References

References. State of the Art of Sustainable Development of Railway Nodes: The High Speed Rail (HSR) -- 1 Introduction -- 2 HSR Stations: Architectural Design and Territorial Attractiveness -- 2.1 History of Urban Planning and Railway Stations Design -- 2.2 Attractiveness and Lacks -- 3 The HSR Station Mediopadana -- 3.1 Characteristics of the Architectural Design and Urban Transformations -- 3.2 Attractiveness and Lacks Territorial of Mediopadana Station -- 4 The HSR Station Napoli Afragola -- 4.1 Characteristics of the Architectural Design and Urban Transformations -- 4.2 Attractiveness and Lacks Territorial of Station Napoli Afragola -- 5 Conclusions -- References -- A Network Analysis for HSR Services in the South of Italy -- 1 Introduction -- 2 Related Works -- 2.1 Rail Transport Accessibility -- 2.2 Rail Transport Connectivity -- 3 The Proposed Framework -- 3.1 Data Collection --3.2 Data Preparation -- 3.3 Network Analysis -- 4 The Pilot Study --4.1 Data Collection -- 4.2 Data Preparation -- 4.3 Network Analysis --5 Discussion and Final Remarks -- References -- Framework for Life Cycle Railway Sustainability Assessment: A Methodological Approach Based on Advanced Methods and Tools -- 1 Introduction -- 2 Track System: Materials and Components -- 3 Life Cycle Stages of Rail Track -- 3.1 Framework for Track Sustainability Assessment -- 4 A Case Study on the Integrative Approach LCC-LCA -- 5 Conclusion --References -- Sustainability Performance Assessment: Models, Approaches, and Applications Toward Interdisciplinary and Integrated Solutions (SPA 2024) -- A Selection of Sustainability Parameters for a Comprehensive Assessment of Urban Transformations -- 1 Introduction -- 2 Material and Methods -- 3 Results -- 4 Conclusions -- Appendix -- References -- Supporting Sustainability: The Case Study of the Abruzzo Regional Sustainable Development Strategy. 1 Introduction -- 2 Study Area -- 3 The "Review of the System" of Regional Indicators in the Context of the Implementation of Regional Strategies for Sustainable Development" Project -- 4 The Sost.EN.& -- Re Project -- 4.1 Planning Tool Mosaic Guidelines -- 4.2 Ecological Network Guidelines -- 4.3 Indicators Console -- 5 Discussions -- 6 Conclusions -- References -- Enhancing Vulture's Territorial Assets Through Tourism Ecosystems for Spatial Development -- 1 Introduction -- 2 The Concept of a Tourism Ecosystem -- 3 Key Components of Smart Tourism -- 4 Vulture - Alto Bradano, a Relevant Case Study -- 5 Conclusions -- References -- "Ecomuseo dell'Acqua": An Indivisible Unit of Strategic Sustainable Planning -- 1 Introduction -- 2 Accessibility is a Necessary Prerequisite for Usability -- 3 Place's Identity and Collective Needs -- 4 Discussion and Conclusions --References -- Territorial Regeneration in the Crater Municipalities After the Earthquake of L'Aquila: Social Challenges and Innovative Approaches -- 1 Introduction -- 2 Reconstruction and Territorial Regeneration -- 3 Sustainability and Social Challenges -- 4 Technological Approaches -- 4.1 WebGis Platform -- 4.2 Participatory Planning with the Municipality of Santo Stefano Di Sessanio -- 4.3 The "Cammini Degli Altipiani" Project and the Operative Mapping -- 4.4 Cultural Events Billboard -- 5 Conclusion -- References -- Specifics of Smart Cities Development in Europe (SPEED 2024) -- Can Be Small Municipalities Smart? -- 1 Introduction -- 2 Smart Governance and Its

Tools in Local Municipalities -- 3 Material and Methodology -- 4 Research Findings and Discussion -- 5 Conclusions -- References --Planning Sustainable and Resilient Waterfronts in the Mediterranean Insights from Athens and Lisbon -- 1 Introduction -- 2 Spatial Reference and Methodology. 2.1 Athens' and Lisbon's Waterfronts as Research Laboratories.