

1. Record Nr.	UNINA9910878048403321
Titolo	Computational Science and Its Applications – ICCSA 2024 Workshops : Hanoi, Vietnam, July 1–4, 2024, Proceedings, Part VIII // edited by Osvaldo Gervasi, Beniamino Murgante, Chiara Garau, David Taniar, Ana Maria A. C. Rocha, Maria Noelia Faginas Lago
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-65318-1
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (494 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 14822
Disciplina	301.24
Soggetti	Computer networks Computer science Computer engineering Artificial intelligence Computer systems Computer Communication Networks Computer Science Computer Engineering and Networks Artificial Intelligence Computer System Implementation
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 of Rome (Italy) -- 1 Introduction -- 2 Aim -- 3 Background -- 4 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 & 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 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.

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.

---

## Sommario/riassunto

This eleven-volume set LNCS 14815 – 14825 constitutes the refereed workshop proceedings of the 24th International Conference on Computational Science and Its Applications, ICCSA 2024, held at Hanoi, Vietnam, during July 1–4, 2024. The 281 full papers, 17 short papers and 2 PHD showcase papers included in this volume were carefully reviewed and selected from a total of 450 submissions. In addition, the conference consisted of 55 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.

---