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Titolo	Digitisation of Culture: Namibian and International Perspectives // edited by Dharm Singh Jat, Jürgen Sieck, Hippolyte N'Sung-Nza Muyingi, Heike Winschiers-Theophilus, Anicia Peters, Shawulu Nggada
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Descrizione fisica	1 online resource (325 pages)
Disciplina	025.04
Soggetti	Application software Information storage and retrieval Multimedia systems User interfaces (Computer systems) Information Systems Applications (incl. Internet) Information Storage and Retrieval Multimedia Information Systems User Interfaces and Human Computer Interaction
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Past—Present—Sound: On Auralization as Augmented Reality -- Chapter 2. Leapfrogging India's Antiquated Antiquities Laws: A Digital Strategy -- Chapter 3. Designing 3D Representations of Namibian Flora for Recognition by Indigenous Communities -- Chapter 4. Effective Visual Hints in a 3D Virtual Environment for an Indigenous Community -- Chapter 5. Envisioning the Semiotics of Cultural Heritage Artifacts -- Chapter 6. Exploiting Ndebele Designs to Control the Internet of Things for Digital Storytelling -- Chapter 7. A Mobile Multimodal Indoor Localization with iBeacon Trilateration and Dead Reckoning -- Chapter 8. Development of Location-based and Context-sensitive Services for Mobile Devices -- Chapter 9. Wildlife Animal Recognition Service: A Cross-validating Pattern and Color based Approach -- Chapter 10. Visual Hand Tracking and Gesture Recognition for Human-computer Interaction -- Chapter 11. Computer-Assisted Analysis of Reading Skills and Disorders based on

Eye Tracking -- Chapter 12. Magic Equipment: Integrating Digital Narrative and Interaction Design in an Augmented Reality Quest -- Chapter 13. Collaborative Open-Content Online Dictionary for Namibian Indigenous Languages (NIL) -- Chapter 14. Natural Learning -- Using Applied Interactive Technologies for a Cultural Change -- Chapter 15. Virtual Reality between Art and Ethics -- Chapter 16. Strategies for Processing and Storing Digital Free-hand Sketches -- Chapter 17. Visualising an Interactive Simulation of a Micro Smart Grid Using Web Technologies -- Chapter 18. An Hexacopter-based Panoramic Virtual Reality of the NUST -- Chapter 19. Technologies to Promote the Inclusion of Indigenous knowledge Holders in Digital Cultural Heritage Preservation.

Sommario/riassunto

This book explores the digitization of culture as a means of experiencing and understanding cultural heritage in Namibia and from international perspectives. It provides various views and perspectives on the digitization of culture, the goal being to stimulate further research, and to rapidly disseminate related discoveries. Aspects covered here include: virtual and augmented reality, audio and video technology, art, multimedia and digital media integration, cross-media technologies, modeling, visualization and interaction as a means of experiencing and grasping cultural heritage. Over the past few decades, digitization has profoundly changed our cultural experience, not only in terms of digital technology-based access, production and dissemination, but also in terms of participation and creation, and learning and partaking in a knowledge society. Computing researchers have developed a wealth of new digital systems for preserving, sharing and interacting with cultural resources. The book provides important information and tools for policy makers, knowledge experts, cultural and creative industries, communication scientists, professionals, educators, librarians and artists, as well as computing scientists and engineers conducting research on cultural topics.
