1. Record Nr. UNINA9910483751903321 Autore Shinde Gitanjali Rahul <1983-> **Titolo** Internet of Things integrated augmented reality / / Gitanjali Rahul Shinde [et al.] Singapore:,: Springer Singapore:,: Imprint: Springer,, 2021 Pubbl/distr/stampa **ISBN** 981-15-6374-8 Edizione [1st edition 2021.] Descrizione fisica 1 online resource (xiii, 78 pages): color illustrations Collana SpringerBriefs in Computational Intelligence, , 2625-3704 Disciplina 004.678 Soggetti Artificial intelligence Augmented reality Computer vision Internet of things Machine learning Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Introduction -- IoT Overview -- Emerging Trends in IoT -- IoT Use Cases -- Energy and Utilities -- Context Management in IoT -- Context and Context Management -- Context-aware Architecture --Augmented Reality and IoT -- Augmented Reality and IoT design Issues -- Augmented Reality and IoT enabled Architecture -- Conclusions. Sommario/riassunto This book discusses the use of converged technology, a rapidly growing area that enhancements smart devices, communication, Internet of things (IoT), and augmented reality (AR). The book also explores the need for convergence of IoT and AR for various purposes, like personalized services, context awareness, and bridging the gap between the physical and digital world. Furthermore, it examines the implementation of IoT and AR in use cases to define pathways that allow application developers to design modern solutions to satisfy requirements like scalability, abstraction and security. Featuring an introduction, and covering sensing techniques, and effective architecture in AR-based IoT real-time use cases, the book also addresses the issues and challenges in designing standard architecture and middleware to support diverse applications. Given its scope, it is a

valuable resource for teachers and students in engineering, as well as

 researchers, developers, and users working in multi-disciplinary areas.