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Autore	Santos Hector J. de los
Titolo	RF MEMS circuit design for wireless communications / / Hector J. De Los Santos
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ISBN	1-58053-557-7
Descrizione fisica	1 online resource (279 p.)
Collana	MEMS--Microelectromechanical systems series
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Soggetti	Wireless communication systems - Equipment and supplies Radio circuits Microelectromechanical systems
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	RF MEMS Circuit Design for Wireless Communications; Contents vii; Preface xiii; Acknowledgments xvii; 1 Wireless Systems--A Circuits Perspective 1; 2 Elements of RF Circuit Design 19; 3 RF MEMS-Enabled Circuit Elements and Models 51; 4 Novel RF MEMS-Enabled Circuits 115; 5 RF MEMS-Based Circuit Design--Case Studies 145; Appendix A: GSM Radio Transmission and Reception Specifications 205; List of Acronyms 245; About the Author 249; Index 251
Sommario/riassunto	This is the first comprehensive book to address the design of RF MEMS-based circuits for use in high performance wireless systems. A groundbreaking research and reference tool, the book enables you to understand the realm of applications of RF MEMS technology; become knowledgeable of the wide variety and performance levels of RF MEMS devices; and partition the architecture of wireless systems to achieve greater levels of performance. This innovative resource also guides you through the design process of RF MEMS-based circuits, and establishes a practical knowledge base for the design of high-yield RF MEMS-based circuits.

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Nota di contenuto	Contents; List of Figures; List of Tables; Acknowledgments; Introduction; Part. PERSPECTIVES; Chapter One. Reflections on Practice in an Open Cultural Institution: Thinking Together in Provocative Places; Chapter Two. The Cobbler's Children: Invisible Work and Information Professionals in Museums; Chapter Three. Convergence or Cooperation?: An IFLA Satellite about Professional Identity in Cultural Heritage Institutions (LAM-Libraries, Museums, and Archives) beyond Technology; Part II. CONVERGENCE Chapter Four. LAM From the Trenches: The LODLAM Community and the Building of LAM Culture, Practices, and Education Chapter Five. The Convergence Paradigm as the Basis for the Design of New Programs in the Field of the Information Sciences; Chapter Six. Convergence of Skills through Theory, Practice, and Strategy; Chapter Seven. Converging Educational Strategies: An Italian e-Learning Class for Young LAMs Professionals1; Chapter Eight. Technical Standards on Professional Profiles: An Opportunity for Library and Archives Convergence Chapter Nine. Managing Cultural Heritage beyond Professional Boundaries: Problem or Opportunity? Part III. INFORMATICS-BIG DATA; Chapter Ten. Big Data: Opportunities and Barriers across the Cultural Heritage Sectors; Chapter Eleven. Characteristics of Tweets about African Cultural Heritage; Part IV. INFORMATICS IN THE ARCHIVE; Chapter Twelve. Challenges for Web Archivists: Issues in the

Preservation of Digital Cultural Heritage; Chapter Thirteen. Expanding Engagement with Public Library Archives and Special Collections through Public Programming and Social Media

Chapter Fourteen. The Role, Impact, and Development of Community Archives in New Zealand

Part V. INFORMATICS IN CULTURAL STUDIES;

Chapter Fifteen. Oliver Optic and Young America: Reading Library

Shelves and Publishing Records for Insights into the Past1; Chapter

Sixteen. New Mediations of Native Cultural Heritage: The Case of the

TimeTravellerTM Machinima Project; Index; About the Editor;

Contributors

Sommario/riassunto

This volume of the Annual Review of Cultural Heritage Informatics (ARCHI) is the polestar publication for cultural heritage scholars, professionals, and students. Featuring original works selected by the distinguished editorial board of international scholars, ARCHI presents a broad spectrum of the cultural heritage informatics field. New to this edition is a Perspectives chapter in which scholars, practitioners, and leaders delve into a current issue facing the field, voicing their thoughts based on research and personal experience. One writer takes a look at how the transactions and reflecti
