

1. Record Nr.	UNINA9910457982303321
Autore	Fourikis Nicholas
Titolo	Advanced array systems, applications and RF technologies [[electronic resource] /] / Nicholas Fourikis
Pubbl/distr/stampa	San Diego, : Academic Press, 2000
ISBN	1-281-01973-9 9786611019730 0-08-049870-1
Descrizione fisica	1 online resource (389 p.)
Collana	Signal processing and its applications
Disciplina	621.3822 621.384/135 21
Soggetti	Phased array antennas Microwave antennas Radio frequency Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Advanced Array Systems, Applications and RF Technologies; Copyright Page; Contents; Series Preface; Preface; List of Abbreviations; Chapter 1. Systems and Applications; 1.1. Phased Arrays and What They Offer; 1.2. Radar Fundamentals and Applications; 1.3. Radioastronomy Aims and Applications; 1.4. Planetary Radar Astronomy; 1.5. The Subtle Phased Array Attractors; 1.6. Radar Systems; 1.7. Radioastronomy Systems; 1.8. Variants of Phased Arrays; 1.9. Communication systems; 1.10. The Importance of Radiofrequency (RF) Subsystems; 1.11. The Wider Thrusts; 1.12. Concluding Remarks ReferencesChapter 2. From Array Theory to Shared Aperture Arrays; 2.1. General Considerations; 2.2. Linear Arrays; 2.3. Planar Arrays; 2.4. Circular/Cylindrical Arrays; 2.5. Characterization and Realization of Arrays; 2.6. Affordable and Low-Cost Arrays; 2.7. Wideband Arrays; 2.8. Concluding Remarks; References; Chapter 3. Array Antenna Elements; 3.1. A Review of Trends and Requirements; 3.2. Monopoles/Dipoles; 3.3. Reflector Systems; 3.4. Beamforming Lenses; 3.5. Phased Arrays on Steerable Mounts; 3.6. Microstrip/Printed Board

Antennas; 3.7. Superconducting Antennas/Arrays; 3.8. Subarrays
3.9. Polarization Agility and Work in Progress3.10. Concluding Remarks
and a Postscript; References; Chapter 4. Transmit/Receive Modules;
4.1. The Important Issues; 4.2. System Issues; 4.3. MMIC-based
Modules; 4.4. Tubes; 4.5. The Marriage of Vacuum and Solid-State
Technologies; 4.6. Vacuum Microelectronic Devices; 4.7. Comparisons;
4.8. Concluding Remarks; References; Chapter 5. Beamformers; 5.1.
The Basic Issues and Some Elaborations; 5.2. The Formation of Staring
Beams; 5.3. The Formation of Several Agile/Staring Beams; 5.4. Digital
Beamformers; 5.5. Photonics and Phased Arrays
5.6. Other Beamformers5.7. Low-cost Phased Arrays; 5.8. Concluding
Remarks; References; Index

Sommario/riassunto

Advanced Array Systems, Applications and RF Technologies adopts a holistic view of arrays used in radar, electronic warfare, communications, remote sensing and radioastronomy. Radio frequency (RF) and intermediate frequency (IF) signal processing is assuming a fundamental importance, owing to its increasing ability to multiply a system's capabilities in a cost-effective manner. This book comprehensively covers the important front-end RF subsystems of active phased arrays, so offering array designers new and exciting opportunities in signal processing.**Key Features***

2. Record Nr.	UNINA9910158564903321
Autore	Zelizer Barbie
Titolo	What journalism could be / / Barbie Zelizer
Pubbl/distr/stampa	Cambridge, UK ; ; Malden, MA : , : Polity Press, , 2016
ISBN	1-5095-0790-6
Descrizione fisica	1 online resource
Disciplina	070.4
Soggetti	Journalism
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Imagine journalism beginnings -- Definitions of journalism -- Intro Section 1: Cues for considering key tensions in journalism / Barbie Zelizer, Jennifer Henrichsen and Natacha Yazbeck -- On "having been there": "eyewitnessing" as a journalistic key word -- On the shelf life of democracy in journalism scholarship -- When practice is undercut by ethics -- Intro section 2: Cues for considering disciplinary matters / Barbie Zelizer, Jennifer Henrichsen and Natacha Yazbeck -- Journalism and the academy -- Journalism in the service of communication -- When facts, truth, and reality are god-terms: on journalism's uneasy place in cultural studies -- Intro section 3: cues for considering new ways of thinking about journalistic practice / Barbie Zelizer, Jennifer Henrichsen and Natacha Yazbeck -- Journalists as interpretive communities -- The culture of journalism -- When war and conflict are reduced to a photograph -- Endings: thinking temporally about journalism's future.