

1. Record Nr.	UNINA9910450308903321
Autore	Creighton John <1964->
Titolo	Coins and power in late Iron Age Britain // John Creighton [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2000
ISBN	1-107-11951-0 1-280-42123-1 0-511-17561-2 0-511-01644-1 0-511-15607-3 0-511-32906-7 0-511-48958-7 0-511-04965-X
Descrizione fisica	1 online resource (xiv, 249 pages) : digital, PDF file(s)
Collana	New studies in archaeology
Disciplina	936.1/01
Soggetti	Power (Social sciences) - Great Britain - History - To 500 Coinage - Great Britain - History - To 1500 Coins, Celtic - Great Britain Britons - Kings and rulers Iron age - Great Britain Coins, British Great Britain History To 55 B.C
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references (p. 228-237) and indexes.
Nota di contenuto	1. The Middle to Late Iron Age transition -- 2. Coin and the representation of individual authority -- 3. The Southern and Eastern kingdoms -- 4. Classical imagery and ideology in Britain -- 5. The location of Britain in the Roman world -- 6. Legends and language -- 7. Dynasties and identities -- 8. Conclusion and epilogue: from Britain to Britannia -- App. A brief introduction to Iron Age coinage in Britain.
Sommario/riassunto	Cunobelin, Shakespeare's Cymbeline, ruled much of south-east Britain in the years before Claudius' legions arrived, creating the Roman province of Britannia. But what do we know of him and his rule, and

that of competing dynasties in south-east Britain? This book examines the background to these, the first individuals in British history. It explores the way in which rulers bolstered their power through the use of imagery on coins, myths, language and material culture. After the visit of Caesar in 55 and 54 BC, the shadow of Rome played a fundamental role in this process. Combining the archaeological, literary and numismatic evidence, John Creighton paints a vivid picture of how people in late Iron Age Britain reacted to the changing world around them.

2. Record Nr.	UNINA9910824612703321
Autore	Garrett Henry B
Titolo	Guide to mitigating spacecraft charging effects // Henry B. Garrett, Albert C. Whittlesey
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, c2012
ISBN	9786613619259 9781280589423 1280589426 9781118241332 1118241339 9781118241400 1118241401 9781118241288 1118241282
Edizione	[1st edition]
Descrizione fisica	1 online resource (202 p.)
Collana	JPL space science and technology series
Classificazione	SCI022000
Disciplina	629.47
Soggetti	Space vehicles - Electrostatic charging Electric discharges - Prevention
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	GUIDE TO MITIGATING SPACECRAFT CHARGING EFFECTS; CONTENTS; Note from the Series Editor; Foreword; Preface; 1 Introduction; References; 2 Introduction to the Physics of Charging and Discharging;

2.1 Physical Concepts; 2.1.1 Plasma; 2.1.2 Penetration; 2.1.3 Charge Deposition; 2.1.4 Conductivity and Grounding; 2.1.5 Breakdown Voltage; 2.1.6 Dielectric Constant; 2.1.7 Shielding Density; 2.1.8 Electron Fluxes (Fluences) at Breakdown; 2.2 Electron Environment; 2.2.1 Units; 2.2.2 Substorm Environment Specifications; 2.3 Modeling Spacecraft Charging; 2.3.1 The Physics of Surface Charging 2.3.2 The Physics of Dielectric Charging 2.4 Discharge Characteristics; 2.4.1 Dielectric Surface Breakdowns; 2.4.2 Buried (Internal) Charge Breakdowns; 2.4.3 Spacecraft-to-Space Breakdowns; 2.5 Coupling Models; 2.5.1 Lumped-Element Modeling; 2.5.2 Electromagnetic Coupling Models; References; 3 Spacecraft Design Guidelines; 3.1 Processes; 3.1.1 Introduction; 3.1.2 Design; 3.1.3 Analysis; 3.1.4 Testing and Measurement; 3.1.5 Inspection; 3.2 Design Guidelines; 3.2.1 General ESD Design Guidelines; 3.2.2 Surface ESD Design Guidelines, Excluding Solar Arrays; 3.2.3 Internal ESD Design Guidelines 3.2.4 Solar Array ESD Design Guidelines 3.2.5 Special Situations ESD Design Guidelines; References; 4 Spacecraft Test Techniques; 4.1 Test Philosophy; 4.2 Simulation of Parameters; 4.3 General Test Methods; 4.3.1 ESD-Generating Equipment; 4.3.2 Methods of ESD Applications; References; 5 Control and Monitoring Techniques; 5.1 Active Spacecraft Charge Control; 5.2 Environmental and Event Monitors; References; 6 Material Notes and Tables; 6.1 Dielectric Material List; 6.2 Conductor Material List; References; A Nomenclature; A.1 Constants and Measurement Units; A.2 Acronyms and Abbreviations A.3 Defined Terms A.4 Variables; A.5 Symbols; B The Space Environment; B.1 Introduction to Space Environments; B.1.1 Quantitative Representations of the Space Environment; B.1.2 Data Sources; B.2 Geosynchronous Environments; B.2.1 Geosynchronous Plasma Environments; B.2.2 Geosynchronous High-Energy Environments; B.3 Other Earth Environments; B.3.1 MEO; B.3.2 PEO; B.3.3 Molniya Orbit; B.4 Other Space Environments; B.4.1 Solar Wind; B.4.2 Earth, Jupiter, and Saturn Magnetospheres Compared; References; C Environment, Electron Transport, and Spacecraft Charging Computer Codes C.1 Environment Codes C.1.1 AE8/AP8; C.1.2 CRRES; C.1.3 Flux Model for Internal Charging (FLUMIC); C.1.4 GIRE/SATRAD; C.1.5 Handbook of Geophysics and the Space Environment; C.1.6 L2 Charged Particle Environment (L2-CPE); C.1.7 MIL-STD-1809, Space Environment for USAF Space Vehicles; C.1.8 Geosynchronous Plasma Model; C.1.9 Others; C.2 Transport Codes; C.2.1 Cosmic Ray Effects on MicroElectronics 1996 (CREME96); C.2.2 EGS4; C.2.3 Geant4; C.2.4 Integrated TIGER Series (ITS); C.2.5 MCNP/MCNPE; C.2.6 NOVICE; C.2.7 NUMIT; C.2.8 SHIELDSE; C.2.9 SPENVIS/DICTAT; C.2.10 TRIM; C.2.11 Summary C.3 Charging Codes

## Sommario/riassunto

"Guide to Spacecraft Charging Effects is a single reference source containing both theory of spacecraft charging and suggested practical detailed spacecraft design requirements and procedures to minimize the effects of spacecraft charging and to limit the effects of the resulting electrostatic discharge. This book contains virtually the whole body of spacecraft charging knowledge as of today, moving from first principles for the beginner to intermediate and more advanced concepts. Many equations are present to provide a good theoretical background, as well as numerous charts, graphs, figures, tables, and photos to summarize and illustrate the theoretical background in a practical presentation. Numerous appendices expand on the main text, a well thought-out index gives quick access to important concepts, and an extensive list of references provides further avenues of research for

those wishing to extend their knowledge. Much of the environmental data and material response information has been adapted from published and unpublished scientific literature for use in this document. It is the book form of the recently issued NASA Technical Handbook NASA-HDBK-4002A, March 3, 2011 (by the same authors). In particular, this book can be used as the textbook form of that Handbook and its earlier sources, NASA Technical Paper 2361, 1984, and NASA Technical Handbook NASA-HDBK-4002, 1999 (both co-authored by the current authors). Since the original writing of the 2361 and 4002, there have been many developments in the understanding of spacecraft charging issues and mitigation solutions, as well as advanced technologies needing new mitigation solutions. Solar cell technology, especially higher voltage arrays have been found to need new design approaches; these are described in detail in this new book. Information about the space plasma environment has been studied more thoroughly; that information is in this new book. New analytic computer codes have been developed to help analyze spacecraft charging; they are described and listed in this new book. Spacecraft anomalies and failures have emphasized certain designs that are now known to be of greater importance than others; that knowledge is incorporated in this new book"--Provided by publisher.

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