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Autore	Sarvi Jouko
Titolo	Innovations in knowledge and learning for competitive higher education in Asia and the Pacific // Jouko Sarvi, Hitendra Pillay
Pubbl/distr/stampa	Metro Manila, Philippines : , : Asian Development Bank, , 2015 ©2015
ISBN	92-9257-263-6
Descrizione fisica	1 online resource (30 p.)
Disciplina	378.59
Soggetti	Education, Higher - Aims and objectives - Asia Education, Higher - Aims and objectives - Pacific Area 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.
Nota di contenuto	Cover; Contents; Figures; Figures; 1: Integrated Knowledge for Competitive Higher Education; 2: HEI Functions Supporting Knowledge Type Required for a Knowledge Economy; Abbreviations; Executive Summary; Background and Context; Innovation, Creativity, Inventiveness, and Entrepreneurship; Nature and Types of Knowledge; Applications of Types of Knowledge; Relevance of Knowledge to Current and Future Needs; Innovation in Leveraging the Ubiquity of Knowledge and Learning; ICT-Stimulated Knowledge Innovation Options for Strengthening Capacity and Competitiveness of HEIs; Final Remarks; References

2. Record Nr.	UNINA9910697302903321
Autore	Lee K. G
Titolo	Clear-water contraction scour at selected bridge sites in the Black Prairie Belt of the Coastal Plain in Alabama, 2006 [[electronic resource]] / by K.G. Lee and T.S. Hedgecock ; prepared in cooperation with the Alabama Department of Transportation
Pubbl/distr/stampa	Reston, Va. : , : U.S. Geological Survey, , 2008
Descrizione fisica	vii, 56 pages : digital, PDF file
Collana	Scientific investigations report ; ; 2007-5260
Altri autori (Persone)	HedgecockT. S
Soggetti	Scour at bridges - Alabama
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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3. Record Nr.	UNINA9910830414903321
Autore	Mardigian Michel
Titolo	Electrostatic discharge : understand, simulate and fix ESD problems // Michel Mardigian
Pubbl/distr/stampa	Piscataway, New Jersey : , : IEEE Press, , 2009 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2009]
ISBN	1-118-21107-3 1-282-30641-3 9786612306419 0-470-49507-3 0-470-49506-5
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (315 p.)
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Soggetti	Electronic apparatus and appliances - Protection Electric discharges Electrostatics
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	Preface to the First Edition -- Preface to the Third Edition -- Acknowledgements -- 1. The Electrostatic Discharge Phenomenon -- 1.1. Physics Involved -- 1.2. Influencing Parameters -- 1.3. Various Types of Electrostatic Charging with Humans and Objects -- 1.4. Statistics of Voltages and Currents Reached During ESD -- 1.5. Waveforms of Electrostatic Discharges -- References -- 2. Effects of ESD on Electronics -- 2.1. Direct Discharge to an Electronic Component -- 2.2. Direct Discharge to Electronic Equipment Enclosure -- 2.3. Indirect Discharge -- 2.4. Coupling Mechanisms of ESD Pulse into the Victim's Circuitry -- 2.5. Response of Victim Circuits and Type of Errors -- 2.6. Prediction of Actual ESD-Induced Error, Fast Approximation Method -- 2.7. Remarks on the Actual Current Paths and Associated Radiation -- 2.8. Personnel or Furniture ESD: Which One is Worse? -- References -- 3. Principal ESD Specifications -- 3.1. ESD Test Specifications for Device Sensitivity -- 3.2. ESD Specifications for

Equipment Immunity -- 3.3. Antistatic Control Procedures -- References. -- 4. ESD Diagnostics and Testing. -- 4.1. ESD Simulators: How They Work -- 4.2. Furniture Versus Personnel ESD Simulation -- 4.3. Other Types of ESD Simulators for Component Testing -- 4.4. ESD Test Setup--Direct and Indirect ESD -- 4.5. ESD Test Routine and Discharge Procedures -- 4.6. No Error/No Damage Concept: The Several Layers of Severity -- 4.7. The Error per Discharge Concept or Multiple-Trials Approach -- 4.8. ESD Test During Design and Development -- 4.9. ESD For Field Diagnostics and Forced Crash Method -- 4.10. Home-Made Investigation Tools and Diagnostic Hints -- References -- 5. Design for ESD Immunity -- 5.1. ESD Protection at Component Level -- 5.2. ESD Protection at the PCB Level (Internal Circuitry) -- 5.3. ESD Protection by Internal Wiring and Mechanical Packaging -- 5.4. ESD Protection by Box Shielding and Envelope Design -- 5.5. ESD Protection of External Cables and I/O Ports -- 5.6. ESD Immunity by Software and Noise Inhibition Techniques. 5.7. ESD Immunity with Miniature, Portable Devices -- 5.8. System ESD Immunity -- 5.9. ESD Control at Installation Level -- References -- 6. ESD Cases Studies -- 6.1. Case 1: The Reradiating Ground Strap -- 6.2. Case 2: ESD Hardening of a Printer -- 6.3. Case 3: The Data Terminal with Floating Tray -- 6.4. Case 4: The Safety Wire "Antenna<U+009d> -- 6.5. Case 5: The Touchy Watchdog -- 6.6. Case 6: The Trigger-Happy Air bag Initiator -- 6.7. Conclusion: Troubleshooting Hints -- Appendix A. ESD Protection by Design of Chips and Microcircuits -- Appendix B. Prediction of ESD Damage Level for a Semiconductor Junction -- Appendix C. Spark-Over Voltages -- Appendix D. Fatigue Phenomena During Repeated ESD Testing -- Appendix E. Prediction of ESD-Induced Noise by Fast Frequency- Domain Calculations -- Appendix F. More Experiments on ESD Coupling to Boxes -- Appendix G. Examples of Simple SPICE Modeling of ESD Coupling Effects -- Appendix H. Time-to-Frequency Conversion for a Single Transient -- Index.

Sommario/riassunto

A thorough and concise treatment of ESD Recognizing its methodic, step-by-step attack of the electrostatic discharge (ESD) problem, the initial release of this book was quoted by specialists as ""the most thorough and concise treatment of the broad ESD continuum that is available." Now in its Third Edition, this book delivers the same trusted coverage of the topic while also incorporating recent technological advances that have taken place in the engineering community. The book begins with the basics of ESD for humans and objects, and goes on to cover: Effects of ESD
