

1. Record Nr.	UNINA9910139930203321
Autore	Ker Ming-Dou
Titolo	Transient-induced latchup in CMOS integrated circuits / / Ming-Dou Ker and Sheng-Fu Hsu
Pubbl/distr/stampa	Singapore ; , : Wiley, , c2009 [Piscataway, New Jersey] : , : IEEE Xplore, , [2010]
ISBN	1-282-38218-7 9786612382185 0-470-82409-3 0-470-82408-5
Descrizione fisica	1 online resource (265 p.)
Altri autori (Persone)	HsuSheng-Fu
Disciplina	621.3815 621.39/5
Soggetti	Metal oxide semiconductors, Complementary - Defects Metal oxide semiconductors, Complementary - Reliability
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	Physical Mechanism of TLU under the System-Level ESD Test -- Component-Level Measurement for TLU under System-Level ESD Considerations -- TLU Dependency on Power-Pin Damping Frequency and Damping Factor in CMOS Integrated Circuits -- TLU in CMOS ICs in the Electrical Fast Transient Test -- Methodology on Extracting Compact Layout Rules for Latchup Prevention -- Special Layout Issues for Latchup Prevention -- TLU Prevention in Power-Rail ESD Clamp Circuits -- Appendix A: Practical Application Extractions of Latchup Design Rules in a 0.18-mm 1.8 V/3.3V Silicided CMOS Process.
Sommario/riassunto	"Transient-Induced Latchup in CMOS Integrated Circuits equips the practicing engineer with all the tools needed to address this regularly occurring problem while becoming more proficient at IC layout. Ker and Hsu introduce the phenomenon and basic physical mechanism of latchup, explaining the critical issues that have resurfaced for CMOS technologies. Once readers can gain an understanding of the standard practices for TLU, Ker and Hsu discuss the physical mechanism of TLU under a system-level ESD test, while introducing an efficient

component-level TLU measurement setup. The authors then present experimental methodologies to extract safe and area-efficient compact layout rules for latchup prevention, including layout rules for I/O cells, internal circuits, and between I/O and internal circuits. The book concludes with an appendix giving a practical example of extracting layout rules and guidelines for latchup prevention in a 0.18-micrometer 1.8V/3.3V silicided CMOS process."--Publisher's description.

2. Record Nr.	UNINA9910830555703321
Autore	Jawad Maan H
Titolo	Structural analysis and design of process equipment [[electronic resource] /] / Maan H. Jawad, James R. Farr
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2019
ISBN	1-119-31152-7 1-5231-2158-0 1-119-31149-7 1-119-31151-9
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (482 p.) : ill
Altri autori (Persone)	FarrJames R
Disciplina	660
Soggetti	Chemical plants - Equipment and supplies - Design and construction Chemical engineering - Equipment and supplies - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Still the only book offering comprehensive coverage of the analysis and design of both API equipment and ASME pressure vessels. This edition of the classic guide to the analysis and design of process equipment has been thoroughly updated to reflect current practices as well as the latest ASME Codes and API standards. In addition to covering the code requirements governing the design of process equipment, the book supplies structural, mechanical, and chemical engineers with expert

guidance to the analysis and design of storage tanks, pressure vessels, boilers, heat exchangers, and related process equipment and its associated external and internal components. The use of process equipment, such as storage tanks, pressure vessels, and heat exchangers has expanded considerably over the last few decades in both the petroleum and chemical industries. The extremely high pressures and temperatures involved with the processes for which the equipment is designed makes it potentially very dangerous to property and life if the equipment is not designed and manufactured to an exacting standard. Accordingly, codes and standards such as the ASME and API were written to assure safety. Still the only guide covering the design of both API equipment and ASME pressure vessels, Structural Analysis and Design of Process Equipment, 3rd edition covers the design of rectangular vessels with various side thicknesses and updated equations for the design of heat exchangers. Now includes numerical vibration analysis needed for earthquake evaluation; Relates the requirements of the ASME codes to international standards; Describes, in detail, the background and assumptions made in deriving many design equations underpinning the ASME and API standards; Includes methods for designing components that are not covered in either the API or ASME, including ring girders, leg supports, and internal components; Contains procedures for calculating thermal stresses and discontinuity analysis of various components. Structural Analysis and Design of Process Equipment, 3rd edition is an indispensable tool-of-the-trade for mechanical engineers and chemical engineers working in the petroleum and chemical industries, manufacturing, as well as plant engineers in need of a reference for process equipment in power plants, petrochemical facilities, and nuclear facilities.

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3. Record Nr.	UNINA9910808463003321
Autore	Frere Marie-Soleil
Titolo	Elections and the media in post-conflict Africa : votes and voices for peace? / / Marie-Soleil Frere
Pubbl/distr/stampa	London, England : , : Zed Books, , 2011 [London, England] : , : Bloomsbury Publishing, , 2021
ISBN	1-350-21985-1 1-78032-106-6 1-283-27607-0 9786613276070 1-78032-020-5
Descrizione fisica	1 online resource (306 p.)
Disciplina	324.96
Soggetti	Conflict management - Developing countries Economic development - Developing countries Peace studies & conflict resolution
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Translated by Patrick Lennon."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction: new votes and new voices -- 1. Elections and the media in Central Africa: stakes and challenges -- 2. The preparatory phase: the media's pre-election commitments -- 3. The media during the election campaign -- 4. From polling day to the results -- General conclusion.
Sommario/riassunto	Since the start of this century, six Central African countries have held pluralist elections in the aftermath of armed conflict. African media specialist Marie-Soleil Frere explores whether the local media fulfilled their duty in covering these elections, revealing the challenges facing journalists at a time of intense political pressure and when much is expected from the media.