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Autore	Sovern Michael I
Titolo	An improbable life : my sixty years at Columbia and other adventures / / Michael I. Sovern ; cover design by Catherine Casiliano
Pubbl/distr/stampa	[New York, New York] : , : A Columbia University Publication, , 2014 ©2014
ISBN	0-231-53705-0
Descrizione fisica	1 online resource (325 p.)
Altri autori (Persone)	CasilianoCatherine
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Soggetti	College presidents - United States Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Table of Contents; List of Illustrations; Foreword by Walter F. Mondale; Foreword by Lee C. Bollinger; 1. A Shared Story; 2. Riot; 3. Rebuilding; 4. Aftermath; 5. Condoms and Wrinkle Cream; 6. Becoming a Dean; 7. Litigating: Tuskegee and the Supreme Court; 8. Provost; 9. Building an Administration; 10. Beginnings; 12. Columbia College; 12. Columbia Law School; 13. Minnesota; 14. Coming Home; 15. Publishing and Moonlighting; 16. Climbing Out of a Hole; 17. Ceremonies; 18. Doing the Right Thing: Coeducation, Charter Revision, and Columbia Football; 19. The Pulitzer Prizes 20. Reagan Versus Mondale 21. Disappointing My Peers: Divestiture and Earmarks; 22. City Corruption and Columbia Unrest; 23. A Sabbatical Leave and a Return to Celebrations; 24. Remembering Malcolm X and Working with the Community; 25. International Guests, Anniversaries, Dedications, and a New Campaign; 26. Closing a School; 27. Salman Rushdie at Risk; 28. Hail and Farewell; 29. The Last Year; 30. A Backward Glance; 31. There Is Life After a Presidency; 32. Shubert-a Great Gig; 33. Almost a Justice; 34. Sotheby's; 35. America's Challenge; 36. What Next?; Acknowledgments; Notes; Index
Sommario/riassunto	Columbia University began the second half of the twentieth century in decline, bottoming out with the student riots of 1968. Yet by the close of the century, the institution had regained its stature as one of the

	greatest universities in the world.According to the New York Times, ?If any one person is responsible for Columbia's recovery, it is surely Michael Sovern." In this memoir, Sovern, who served as the university's president from 1980 to 1993, recounts his sixty-year involvement with the institution, as well as his experiences growing up poor in the South Bronx and attending

2.

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Autore	Sueker Keith H
Titolo	Power electronics design [[electronic resource]] : a practitioner's guide / / Keith H. Sueker
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ISBN	1-280-62948-7 9786610629480 0-08-045992-7
Edizione	[1st edition]
Descrizione fisica	1 online resource (273 p.)
Disciplina	621.31/7
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Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	front cover; copyright; table of contents; front matter; List of Figures; List of Tables; Preface; body; 1. Electric Power; 1.1. AC versus DC; 1.2. Pivotal Inventions; 1.3. Generation; 1.4. Electric Traction; 1.5. Electric Utilities; 1.6. In-Plant Distribution; 1.7. Emergency Power; 2. Power Apparatus; 2.1. Switchgear; 2.2. Surge Suppression; 2.3. Conductors; 2.4. Capacitors; 2.5. Resistors; 2.6. Fuses; 2.7. Supply Voltages; 2.8. Enclosures; 2.9. Hipot, Corona, and BIL; 2.10. Spacings; 2.11. Metal Oxide Varistors; 2.12. Protective Relays; 3. Analytical Tools; 3.1. Symmetrical Components 3.2. Per Unit Constants 3.3. Circuit Simulation; 3.4. Simulation Software; 4. Feedback Control Systems; 4.1. Basics; 4.2. Amplitude Responses; 4.3. Phase Responses; 4.4. PID Regulators; 4.5. Nested Control Loops; 5. Transients; 5.1. Line Disturbances; 5.2. Circuit

Transients; 5.3. Electromagnetic Interference; 6. Traveling Waves; 6.1. Basics; 6.2. Transient Effects; 6.3. Mitigating Measures; 7. Transformers and Reactors; 7.1. Transformer Basics; 7.2. Construction; 7.3. Insulation Systems; 7.4. Basic Insulation Level; 7.5. Eddy Current Effects; 7.6. Interphase Transformers
7.7. Transformer Connections 7.8. Reactors; 7.9. Units; 7.10. Cooling; 7.11. Instrument Transformers; 8. Rotating Machines; 8.1. Direct Current Machines; 8.2. Synchronous Machines; 8.3. Induction (Asynchronous) Machines; 8.4. NEMA Designs; 8.5. Frame Types; 8.6. Linear Motors; 9. Rectifiers and Converters; 9.1. Early Rectifiers; 9.2. Mercury Vapor Rectifiers; 9.3. Silicon Diodes--The Semiconductor Age; 9.4. Rectifier Circuits--Single-Phase; 9.5. Rectifier Circuits--Multiphase; 9.6. Commutation; 10. Phase Control; 10.1. The SCR; 10.2. Forward Drop; 10.3. SCR Circuits--AC Switches
10.4. SCR Motor Starters 10.5. SCR Converters; 10.6. Inversion; 10.7. Gate Drive Circuits; 10.8. Power to the Gates; 10.9. SCR Autotapchangers; 10.10. SCR DC Motor Drives; 10.11. SCR AC Motor Drives; 10.12. Cycloconverters; 11. Series and Parallel Operation; 11.1. Voltage Sharing; 11.2. Current Sharing; 11.3. Forced Sharing; 12. Pulsed Converters; 12.1. Protective Devices; 12.2. Transformers; 12.3. SCRs; 13. Switchmode Systems; 13.1. Pulse Width Modulation; 13.2. Choppers; 13.3. Boost Converters; 13.4. The 'H' Bridge; 13.5. High-Frequency Operation; 13.6. Harmonic Injection
13.7. Series Bridges14. Power Factor and Harmonics; 14.1. Power Factor; 14.2. Harmonics; 14.3. Fourier Transforms; 14.4. Interactions with the Utility; 14.5. Telephone Influence Factor; 14.6. Distortion Limits; 14.7. Zero-Switching; 15. Thermal Considerations; 15.1. Heat and Heat Transfer; 15.2. Air Cooling; 15.3. Water Cooling; 15.4. Device Cooling; 15.5. Semiconductor Mounting; 16. Power Electronics Applications; 16.1. Motor Drives and SCR Starters; 16.2. Glass Industry; 16.3. Foundry Operations; 16.4. Plasma Arcs and Arc Furnaces; 16.5. Electrochemical Supplies; 16.6. Cycloconverters
16.7. Extremely Low-Frequency Communications

Sommario/riassunto

This book serves as an invaluable reference to Power Electronics Design, covering the application of high-power semiconductor technology to large motor drives, power supplies, power conversion equipment, electric utility auxiliaries and numerous other applications. Design engineers, design drafters and technicians in the power electronics industry, as well as students studying power electronics in various contexts, will benefit from Keith Sueker's decades of experience in the industry. With this experience, the author has put the overall power electronics design process in the context o