

1. Record Nr.	UNINA9910957905903321
Titolo	The nuclear enterprise : high-consequence accidents : how to enhance safety and minimize risks in nuclear weapons and reactors / / edited by George P. Shultz and Sidney D. Drell
Pubbl/distr/stampa	Stanford, Calif., : Hoover Institution Press, Stanford University, c2012
ISBN	0-8179-1526-5 0-8179-1528-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (388 p.)
Collana	Hoover Institution Press publication ; ; no. 626
Altri autori (Persone)	ShultzGeorge Pratt <1920-> DrellSidney D <1926-> (Sidney David)
Disciplina	621.483
Soggetti	Nuclear power plants - United States - Safety measures Nuclear power plants - Safety measures Nuclear weapons - United States - Safety measures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Papers presented at the Nuclear Enterprise Conference, held October 3-4, 2011 at the Hoover Institution, Stanford University.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>""Front Cover ""; ""Title Page ""; ""Copyright ""; ""Contents "";</p> <p>""Abbreviations ""; ""List of Figures and Tables ""; ""Preface "";</p> <p>""Acknowledgments ""; ""Introduction by SIDNEY D. DRELL, GEORGE P. SHULTZ, and STEVEN P. ANDREASEN ""; ""Session I: Safety Issuesa€?</p> <p>Nuclear Weapons ""; ""1 Designing and Building Nuclear Weapons to Meet High Safety Standards by SIDNEY D. DRELL ""; ""2 A Personal Account of Steps Toward Achieving Safer Nuclear Weapons in the U.S. Arsenal by ROBERT L. PEURIFOY ""</p> <p>""3 The Interplay Between Civilian and Military Nuclear Risk Assessment, and Sobering Lessons from Fukushima and the Space Shuttle by CHRISTOPHER STUBBS """"4 Long-Range Effects of Nuclear Disasters by RAYMOND JEANLOZ ""; ""5 Naval Nuclear Power as a Model for Civilian Applications by DREW DEWALT ""; ""Session II: Nuclear Reactor Safety ""; ""6 Lessons Learned of a€œLessons Learneda€?: Evolution in Nuclear Power Safety and Operations by EDWARD BLANDFORD and MICHAEL MAY ""; ""7 Nuclear Technology Development: Evolution or Gamble? by PER F. PETERSON and REGIS A. MATZIE ""</p>

""8 The Spent Fuel Problem by ROBERT J. BUDNITZ """"9 International Issues Related to Nuclear Energy by WILLIAM F. MARTIN and BURTON RICHTER ""; ""10 Fukushima and the Future of Nuclear Power in China and India by JEREMY CARL ""; ""Session III: Economic and Regulatory Issues ""; ""11 The Capture Theory of Regulation by GARY S. BECKER ""; ""12 The Federal Regulatory Process as a Constraint on Regulatory Capture by JOHN F. COGAN ""; ""13 A Comparison of Government Regulation of Risk in the Financial Services and Nuclear Power Industries by JOHN B. TAYLOR and FRANK A. WOLAK "" ""14 Discussion Notes on the Economics of Nuclear Energy by MICHAEL J. BOSKIN """"Session IV: Media and Public Policy ""; ""15 Media and Public Policy by JIM HOAGLAND ""; ""16 The Nuclear Credibility Gap: Three Crises by DAVID E. HOFFMAN ""; ""Conference Agenda ""; ""About the Authors ""; ""Index ""

Sommario/riassunto

A panel of expert contributors offers its views on the risks and rewards of the nuclear enterprise, focusing on issues of safety, regulation, and public perception. Contributors discuss specific experience and issues regarding the technical safety of weapons and power plants, management operations, regulatory measures, and the importance of accurate communication by the media.
