

1. Record Nr.	UNINA9910810805303321
Titolo	Eighth Annual Symposium on Frontiers of Engineering // National Academy of Engineering of the National Academy
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, c2003
ISBN	0-309-16849-X 1-280-20937-2 9786610209378 0-309-50431-7
Edizione	[8th ed.]
Descrizione fisica	1 online resource (149 p.)
Disciplina	620
Soggetti	Engineering - Research - United States Engineering - Technological innovations - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Reports on leading-edge engineering from the 2002 NAE Symposium on Frontiers of Engineering"--Cover.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Matter -- Preface -- Contents -- Fuel Cells That Run on Common Fuels -- Dimension-Dependent Properties of Macromolecules in Nanoscopic Structures -- The Role of Computational Fluid Dynamics in Process Industries -- The Human Factor -- Human Factors Applications in Surface Transportation -- Implications of Human Factors Engineering for Novel Software User-Interface Design -- Frontiers of Human-Computer Interaction: Direct-Brain Interfaces -- Advanced Nuclear Reactor Technologies -- Licensing and Building New Nuclear Infrastructure -- Quantum Cryptography -- Ion-Trap Quantum Computation -- Scalable Quantum Computing Using Solid-State Devices -- The Science, Technology, and Business of Digital Communication -- Contributors -- Program -- Participants.