

1. Record Nr.	UNINA9910820787503321
Titolo	Frontiers of engineering : reports on leading-edge engineering from the 2007 symposium
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, 2008
ISBN	1-281-20926-0 9786611209261 0-309-11254-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (207 p.)
Disciplina	620
Soggetti	Engineering
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	<p> ""Front Matter""; ""Preface""; ""Contents""; ""Engineering Trustworthy Computer Systems""; ""Introduction--Ana I. AntA³n and John Dunagan""; ""Privacy in a Networked World--Rebecca N. Wright""; ""Unifying Disparate Tools in Software Security--Greg Morrisett""; ""Usable Security: Oxymoron or Challenge?--Diana K. Smetters""; ""Control of Protein Conformations""; ""Introduction--Donald J. Leo""; ""The Evolutionary Design of Proteins--Rama Ranganathan""; ""Lighting Up the Mechanome--Matthew J. Lang""; ""Biotechnology for Fuels and Chemicals""; ""Introduction--Richard T. Elander and Vijay Singh"" ""Corn-Based Materials--Sanjay V. Malhotra, Vineet Kumar, Anthony East, and Michael Jaffe"" ""Process Review of Lignocellulose Biochemical Conversion to Fuel Ethanol--Bruce S. Dien""; ""Sustainable Biorefineries--Carina Maria Alles and Robin Jenkins""; ""Modeling and Simulating Human Behavior""; ""Introduction--Christian Lebiere and Robert Wray""; ""Computational Cognitive Neuroscience and Its Applications--Laurent Itti""; ""Barriers, Bridges, and Progress in Cognitive Modeling for Military Applications--Kevin A. Gluck"" ""Modeling of Culturally Affected Human Behavior--Michael van Lent, Mark Core, Steve Solomon, Milton Rosenberg, Ryan McAlinden, and Paul Carpenter"" ""Safe Water Technologies""; ""Introduction--Carol R. Rego and Paul K. Westerhoff""; ""Ultraviolet Irradiation: An Age-Old Emerging Technology for Water Treatment--Karl G. Linden""; ""Membrane </p>

Processes to Address the Global Challenge of Desalination--Amy E. Childress"; "Biological Treatments of Drinking Water--Jess C. Brown"; "Distribution Systems: The Next Frontier--Vanessa L. Speight"; "Appendixes"; "Breakout Sessions" "Contributors" "Program"; "Participants"
