1. Record Nr. UNINA9910465096703321

Autore	Rule James B. <1943->
Titolo	Privacy in peril [[electronic resource] /] / James B. Rule
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2007
ISBN	0-19-988574-5 0-19-539436-4 0-19-804204-3 1-281-16338-4 1-4356-0586-1 9786611163389
Descrizione fisica	1 online resource (255 p.)
Disciplina	323.44/80973
Soggetti	Privacy, Right of Privacy, Right of - United States Electronic books.
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 (p. [211]-216) and index.
Nota di contenuto	The making of an issue -- The tensions of privacy and disclosure -- Privacy regimes in turmoil -- Blaming technology -- The idea of privacy protection -- Legislating privacy protection -- Spreading shadows -- Constraints and countercurrents -- Government surveillance -- Government surveillance in America -- Parallels abroad -- The coalescence of government surveillance -- Conclusion -- Personal data in the marketplace: credit, insurance and advertising -- The United States : a virtually free market for personal information -- Markets abroad : the American model versus privacy constraints -- Surveillance in motion -- Safe harbor -- Some rare privacy victories -- Conclusion -- The future of privacy -- Privacy protection : the official response -- Privacy codes : a balance sheet -- Origins of the conflict -- The destination -- Collapsing resistance? -- "Needs," "purposes," and "consent" -- Some uncomfortable futures -- Ground to stand on -- Conclusion: where do we go from here?
Sommario/riassunto	We are all accustomed to privacy horror stories, like identity theft,

	where stored personal data gets misdirected for criminal purposes. But we should worry less about the illegal uses of personal data, James B. Rule argues, and worry a lot more about the perfectly legal uses of our data by the government and private industry, uses which are far more widespread and far more dangerous to our interests than we'd ever suspect. This provocative book takes readers on a probing, far-reaching tour of the erosion of privacy in American society, showing that we are often unwitting accomplices, providi

2. Record Nr. UNINA9910254227303321

Autore	Tlelo-Cuautle Esteban
Titolo	Engineering Applications of FPGAs : Chaotic Systems, Artificial Neural Networks, Random Number Generators, and Secure Communication Systems / / by Esteban Tlelo-Cuautle, José de Jesús Rangel-Magdaleno, Luis Gerardo de la Fraga
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-34115-4
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XVI, 222 p. 204 illus., 130 illus. in color.)
Disciplina	621.3815
Soggetti	Electronic circuits Microprocessors Computer architecture Electronics Electronic Circuits and Systems Processor Architectures Electronics and Microelectronics, Instrumentation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction to field programmable gate arrays -- VHDL -- Matlab-Simulink Co-simulation -- Chaos generators -- Artificial neural networks for time series prediction -- Random number generators -- Secure communication system -- Challenges in engineering

applications.

Sommario/riassunto

This book offers readers a clear guide to implementing engineering applications with FPGAs, from the mathematical description to the hardware synthesis, including discussion of VHDL programming and co-simulation issues. Coverage includes FPGA realizations such as: chaos generators that are described from their mathematical models; artificial neural networks (ANNs) to predict chaotic time series, for which a discussion of different ANN topologies is included, with different learning techniques and activation functions; random number generators (RNGs) that are realized using different chaos generators, and discussions of their maximum Lyapunov exponent values and entropies. Finally, optimized chaotic oscillators are synchronized and realized to implement a secure communication system that processes black and white and grey-scale images. In each application, readers will find VHDL programming guidelines and computer arithmetic issues, alongwith co-simulation examples with Active-HDL and Simulink. Readers will benefit from this practical guide to implementing a variety of engineering applications from VHDL programming and co-simulation issues, to FPGA realizations of chaos generators, ANNs for chaotic time-series prediction, RNGs and chaotic secure communications for image transmission.