

“Privacy in the Modern Age: The Search for Solutions”

Marc Rotenberg, EPIC
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Early Praise for *Privacy in the Modern Age*

"Never before has the thorough examination of the threats to American privacy been so crucial. Thank you to EPIC for inspired recommendations to help ensure our right to privacy remains a time-honored value in our interconnected world."

—SENATOR EDWARD J. MARKEY

"Original insights into the most critical privacy, data protection, and surveillance concerns of our time."

—ANITA ALLEN, vice provost for faculty, Henry R. Silverman Professor of Law, and professor of philosophy, University of Pennsylvania

"A fascinating overview of current challenges for our privacy and how best to counter them."

—PETER HUSTINX, European Data Protection Supervisor (2004–14)

"EPIC has become one of America's most vigilant and respected defenders of privacy in the modern age. This invaluable collection of essays shows why."

—JEFFREY ROSEN, president and CEO, National Constitution Center

"The Electronic Privacy Information Center is on the front lines of the most important civil liberties issues of our age."

—BRUCE SCHNEIER, author of *Data and Goliath*

"EPIC sets out innovative solutions to many of our biggest civil liberties challenges."

—NADINE STROSSEN, John Marshall Harlan II Professor of Law at New York Law School and president, American Civil Liberties Union (1991–2008)

"*Privacy in the Modern Age* continues EPIC's courageous work as a standard-bearer of democratic values."

—SHOSHANA ZUBOFF, Charles Edward Wilson Professor of Business Administration, Emerita, Harvard Business School



Privacy in the Modern Age

Edited by Rotenberg,
Horwitz, and Scott



Privacy in the Modern Age

THE SEARCH FOR SOLUTIONS

Edited by **Marc Rotenberg,**
Julia Horwitz, and Jeramie Scott

epic.org/bookstore

“What man creates with his hand,
he should control with his head.”

— *Thomas Edison, inventor*

ALGORITHMIC TRANSPARENCY expungement
STUDENT PRIVACY FOIA cybersecurity open government EPIC v. FAA
BIG DATA consumer privacy bill of rights OVERSIGHT IoT
free speech FIPs register your robot Constitution PETS SCHREMS Voter ID surveillance
EPIC v. DHS PROFILING ANONYMITY BODYCAMS
DRONES

(1) Centrality of Data Protection



(2) Algorithmic Transparency

**BAYESIAN DETERMINATIONS
ARE NOT JUSTICE**

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OPEN THE CODE

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END SECRET PROFILING

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**STOP DISCRIMINATION
BY COMPUTER**

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(3) Robots and Drones



Asimov's Rules for Robots

1. A robot may not injure a human
2. A robot must obey the orders of a human except (1)
3. A robot should protect itself except (1) and (2)
4. A robot must always reveal the basis of its decision ("Algorithmic Transparency") [NEW]
5. A robot must always reveal its actual identity [NEW]

Biggest future challenge for
privacy protection:

*Humans have a right of privacy.
Robots do not.*