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# Information Assurance and Security Ethics in Complex Systems: **Interdisciplinary Perspectives**

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## Information Assurance and Security Ethics in Complex Systems

Interdisciplinary Perspectives



MELISSA JANE DARK

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The problems encountered in ensuring that modern computing systems are used appropriately cannot be solved with technology alone, nor can they be addressed independent of the underlying computational fabric. Instead, they require an informed, multidisciplinary approach, especially when considering issues of security, privacy, assurance, and crime.

Information Assurance and Security Ethics in Complex Systems: Interdisciplinary Perspectives offers insight into social and ethical challenges presented by modern technology. Aimed at students and practitioners in the rapidly growing field of information assurance and security, this book address issues of privacy, access, safety, liability and reliability in a manner that asks readers to think about how the social context is shaping technology and how technology is shaping social context and, in so doing, to rethink conceptual boundaries.

### **Topics Covered:**

- · Responsibility for the Harm and Risk of Software Security Flaws
- Ethics, Privacy and Genetic Information
- Data Breach Disclosure Policy
- Privacy and Public Access in eGovernment Behavioral Advertising Ethics
- · Importance of Framing

- · Policies, Principles, and Philosophy in Information Assurance
- International Ethical Attitudes and Behaviors
- Interdisciplinary Challenges for Peer-to-Peer Networks
- Responsibility for Software Security Flaws
- · Predictive Insider Threat Monitoring

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Melissa Dark is a Professor in Computer and Information Technology and Associate Director for Educational Programs at CERIAS (the Center for Education and Research in Information Assurance and Security) at Purdue University. Her research interests focus on how to address the human aspects of information security problems. She investigates the utilization of education and public policy to shape the information security behaviors of people.



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