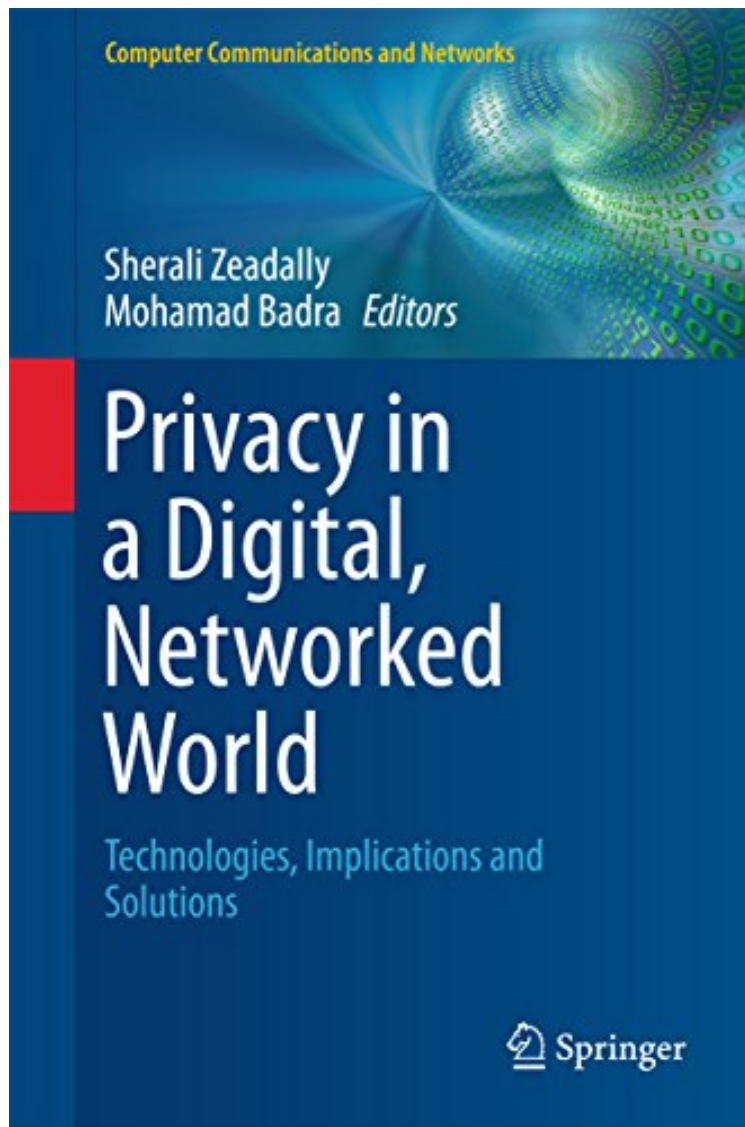


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## Privacy in a Digital, Networked World: Technologies, Implications and Solutions (Computer Communications and Networks)

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This comprehensive textbook/reference presents a focused review of the state of the art in privacy research, encompassing a range of diverse topics. The first book of its kind designed specifically to cater to courses on privacy, this authoritative volume provides technical, legal, and ethical perspectives on privacy issues from a global selection of renowned experts. Features: examines privacy issues relating to databases, P2P networks, big data technologies, social networks, and digital information networks; describes the challenges of addressing privacy concerns in various areas; reviews topics of privacy in electronic health systems, smart grid technology, vehicular ad-hoc networks, mobile devices, location-based systems, and crowdsourcing platforms; investigates approaches for protecting privacy in cloud applications; discusses the regulation of personal information disclosure and the privacy of individuals; presents the tools and the evidence to better understand consumers' privacy behaviors.

International contributors discuss the specific issues, problems, and challenges associated with privacy risks and propose solutions. Solution approaches include technologies, laws, and behavioral aspects. A number of chapters explore trade-offs between utility, usefulness, and privacy risks. This interesting, comprehensive work is part of Springer's Computer Communications and Networks series. Summing Up: Recommended. All levels/libraries. (H. Levkowitz, Choice, Vol. 53 (10), June, 2016) This book explores the privacy challenges associated with a wide variety of modern technical innovations. I found this book interesting to read. This book is intended as a reference for researchers and engineers working or interested in privacy. would be valuable not only for those directly working in privacy, but also as a reference for those researching or innovating in any of the technologies covered, to help them avoid accidentally contributing to the erosion of privacy. (Andrew Kalafut, Computing s, March, 2016) The book provides in-depth details of privacy issues and solutions in the digital domain. This book can be utilized as a reference for graduate students and researchers working in the domain of privacy and security. It can also be used for graduate courses that either focus entirely or in part on privacy. Practitioners who are working to develop specific applications may also find the book useful to make themselves aware of privacy-aware solutions. (Jawwad Shamsi, Computing s, March, 2016) Privacy is a topic of concern for the entire domain of digital science. ... The book is a one-stop resource for privacy practitioners, security researchers and academics teaching privacy courses at both the undergraduate as well as the graduate levels. It would also serve as an excellent reference for information security experts. Overall, an excellent contribution to the privacy discipline, with strong potential as a complete knowledge source. (.com, November, 2015) It is extremely difficult for a book to attempt to be scientific and appeal at the same time to a broad audience but this book has achieved exactly this goal! The book is nicely edited and each chapter has exemplary clarity and in-depth content. The book honors its title but giving justice to the topics discussed and position the readers to not only think critically about privacy but to identify what are the burning issues in privacy today. ( .com, November, 2015) From the Back Cover This comprehensive textbook/reference presents a focused review of the state of the art in privacy research, encompassing such diverse topics as cloud computing, crowdsourcing platforms, vehicular ad-hoc networks, big data, mobile devices, location-based systems, smart grid technology, databases, social networks, healthcare, behavioral economics, and peer-to-peer networks. The first book of its kind designed specifically to cater to courses on privacy, this authoritative volume provides technical, legal, and ethical perspectives on privacy issues from a global selection of renowned experts. Topics and features: Examines privacy issues relating to databases, P2P networks, big data technologies, social networks, and digital information networks Describes the challenges of addressing privacy concerns in various areas s topics of privacy in electronic health systems, smart grid technology, vehicular ad-hoc networks, mobile devices, location-based systems, and crowdsourcing platforms Investigates approaches for protecting privacy in cloud applications Discusses the regulation of personal information disclosure and the privacy of individuals Presents the tools and the evidence to better understand consumers' privacy behaviors Offering invaluable support to undergraduate and graduate students, as well as instructors involved in courses on privacy, security and networking, this important work will also be of great interest to researchers and engineers working in the area of privacy. Dr. Sherali Zeadally is an Associate Professor

in the College of Communication and Information at the University of Kentucky, Lexington, KY, USA. Dr. Mohamad Badra is an Assistant Professor in the College of Technological Innovation at Zayed University, Dubai, UAE. About the Author Dr. Sherali Zeadally is an Associate Professor in the College of Communication and Information at the University of Kentucky, Lexington, KY, USA. His other publications include the Springer titles Next-Generation Wireless Technologies and Unique Radio Innovation for the 21st Century. Dr. Mohamad Badra is an Assistant Professor in the College of Technological Innovation at Zayed University, Dubai, UAE.