



## Information Systems Frontiers

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### CALL FOR PAPERS

Special issue on:

### **Cyber Security, Privacy and Ethics of IS (in honor of Professor H. Jeff Smith (1957-2018))**

Since the first computer worm written by Robert Morris in 1989 and the first viruses in the 1990s, online attack vectors have grown in magnitude and sophistication. People, data and things are targets: credit card attacks, data breaches in both private and public organizations, and instances of cybercrime have grown through the years. Whilst there is general agreement over the need to secure systems and protect data, many current protective measures are ineffective, can reduce the productivity of individual users and businesses, and may systematically discriminate against some user groups. Clearly, it is important to have effective mechanisms for protecting data, information, and knowledge as well as applications. Yet, the methods used to ensure the safety of data and individuals have raised new questions of privacy and ethics. While the past few years have seen an increase in government and IS research interest in privacy, the interest in ethics in the context of cybersecurity is still nascent and research in that space is sparse.

The relationship of privacy and ethics with cybersecurity has traditionally received less exposure in the IS literature, and there are no agreed answers to several fundamental questions: Should there be mandatory ethical standards that professionals in cyber-security and privacy are required to adhere to? Who should take responsibility for the security of information systems and the privacy of consumer data? How can individuals and organizations develop digital literacy to protect their tangible and intangible assets? Hence, debate and discussion on this issue are important for research in the area.

This special issue that will draw from the accepted papers in Cybersecurity, privacy and ethics of IS in the ICIS 2018 conference is in honor of Professor H. Jeff Smith, a privacy researcher who has had lasting influence on the privacy and ethics aspects of IS research. The goal of this issue is to encourage papers that focus on bridging cybersecurity, privacy, and ethics research in IS, while at the same time consider cutting edge research in each of the three areas jointly or separately. Submitted manuscripts can draw on any theoretical backgrounds (including but not limited to psychology, economics, sociology, criminology, or computational sciences) and methodological approaches (analytical work, experiments, qualitative studies, and so forth). The papers will be fast tracked for publication.

#### **Submission Instruction**

Manuscripts must be submitted in word format to the ISF-Springer online submission system at <http://www.editorialmanager.com/isfi/> and the authors need to select "Special Issue: **Cyber Security Privacy and Ethics of IS**" during the submission process. Paper submissions must conform to the format guidelines of Information Systems Frontiers available at <http://www.springer.com/business/business+information+systems/journal/10796>. Submissions should be approximately 32 pages double spaced including references.

#### **Topics of interest include, but are not limited to:**

- insider threat
- infrastructure protection
- privacy and confidentiality
- security and privacy for internet of things
- ethics of cybersecurity
- information security policy and compliance
- data leaks
- digital forensics
- the dark web
- computer crimes and solutions
- surveillance and its impact on security, privacy and ethics in organizations
- societal impacts of IS security and privacy
- access control systems
- security, privacy and ethics in the context of natural hazards/ disasters
- malware
- fake news
- security of digital payment systems

## Important Dates

Submission deadline: February 28, 2019

Notification of first round reviews: April 10, 2019

Revised Manuscripts due: May 15, 2019

Notification of second round reviews: June 15, 2019

Final Version Due: July 15, 2019

## Guest Editors

Alessandro Acquisti, Carnegie Mellon University, USA

Tamara Dinev, Florida Atlantic University, USA

Mark Keil, Georgia State University, USA

Angela Sasse, University College London, England

## Guest Editors' Biography

**Alessandro Acquisti** is a Professor of Information Technology and Public Policy at the Heinz College, Carnegie Mellon University (CMU), the PwC William W. Cooper Professor of Risk and Regulatory Innovation, and an Andrew Carnegie Fellow (inaugural class). He is the director of the Peex (Privacy Economics Experiments) lab at CMU and the co-director of CMU CBDR (Center for Behavioral and Decision Research). Alessandro investigates the economics of privacy. His studies have spearheaded the investigation of privacy and disclosure behavior in online social networks, and the application of behavioral economics to the study of privacy and information security decision making. Alessandro's studies have been published in journals across several disciplines (including Science, Journal of Economic Literature, Proceedings of the National Academy of Science, Management Science, Journal of Consumer Research, Journal of Marketing Research, Marketing Science, Information Systems Research, Journal of Comparative Economics, ACM Transactions, and so forth), as well as edited books, conference proceedings, and numerous keynotes.

**Tamara Dinev** is a professor, Dean's Research Fellow, and chair of the Department of Information Technology and Operations Management (ITOM), College of Business, Florida Atlantic University, Boca Raton, Florida. She is actively involved in research on information privacy, trust in online vendors, multicultural aspects of information technology usage and online behavior, and individual/employee behavior regarding computer and information security. She has published in premier and top journals, including MIS Quarterly, Information Systems Research, Decision Sciences, Journal of the AIS, Journal of Strategic Information Systems, European Journal of Information Systems, Information Systems Journal, Communications of the ACM, International Journal of Electronic Commerce, Journal of Global Information Management, e-Service Journal, Behaviour and Information Technology, Electronic Government, and others. She has received numerous best paper awards and nominations at major information system conferences. Dr. Dinev was an Associate Editor of European Journal of Information Systems and has served as Guest Associate Editor of MISQ on multiple occasions. She also has served several times as Track Chair and Associated Editor of International Conference of Information Systems (ICIS) and European Conference of Information Systems (ECIS).

**Mark Keil** is a Distinguished University Professor and the John B. Zellars Professor of Computer Information Systems at Georgia State University. He also holds a joint appointment in GSU's Department of Computer Science, as well as a secondary appointment in GSU's Institute of Health Administration. Keil's research focuses on IT project management and decision making and includes work on preventing IT project escalation, identifying and managing IT project risks, improving IT project status reporting, IT implementation and use, and health information technology. He has published more than 100 refereed journal articles in such outlets as the MIS Quarterly, Information Systems Research, Strategic Management Journal, Journal of Management Information Systems, Decision Sciences, IEEE Transactions on Engineering Management, Sloan Management Review, and California Management Review. Keil is currently on the editorial board of the Journal of Management Information Systems. He has also served as a Senior Editor for Information Systems Research and for the Information Systems Journal, Associate Editor for MIS Quarterly and Information Systems Research, Co-Editor-in-Chief of The DATA BASE for Advances in Information Systems, and as an editorial board member for IEEE Transactions on Engineering Management. Keil has also served as Division Chair for the Academy of Management's OCIS Division.

**Angela Sasse** M. Angela Sasse FEng is the Professor of Human-Centred Technology in the Department of Computer Science at University College London, UK. A usability researcher by training, she started investigating the causes and effects of usability issues with security mechanisms in 1996. In addition to studying specific mechanisms such as passwords, biometrics, and access control, her research group has developed human-centred frameworks that explain the role of security, privacy, identity and trust in human interactions with technology. She was elected a Fellow of the Royal Academy of Engineering in 2015, and is currently the Director of the multidisciplinary UK Research Institute for Science of Cyber Security (RISCS),