Guest editorial: Consumer privacy in the technological era

The development of internet technology facilitated the online collection, storage, retrieval, manipulation and transmission of an individual’s personal information, resulting in a new stream of information privacy research, i.e. online information privacy (Acquisti et al., 2012; Jebarajakirthy et al., 2021; Maseeh et al., 2021; Yun et al., 2019). Online information privacy became a serious concern after the introduction of e-commerce websites (Lwin et al., 2007; Turban et al., 2017) because such websites require individuals’ personal information while creating an account with them.

Further advancements in digital technologies, such as smartphone applications, cloud computing technology, artificial intelligence (AI), wearable devices, drones, robotics and autonomous vehicles, brought new conceptions in the online information privacy concerns (Conger et al., 2013). Big data is another technological development enabling organisations to handle a massive amount of data in various formats, such as website texts, audio and video data from social networking sites, location data from mobile location-based services, medical laboratories data and RFID tags (Erevelles et al., 2016; Sathi, 2013). Regardless of the richness of big data, it raises severe issues of information privacy and is considered a “troubling manifestation of Big Brother” (Boyd and Crawford, 2012).

The online information privacy concerns are one of the main challenges for organisations with every new technology brings its own privacy concerns and risks (Conger et al., 2013; Smith et al., 2011; Westin, 2003). However, little is known about consumer privacy in the context of digital marketing (Martin and Murphy, 2017). Therefore, the present special issue has been called to prompt a thorough investigation of consumer privacy in the present era of ultra-high-tech advancements.

Charles Jebarajakirthy and Scott Weaven
Department of Marketing, Griffith University, Brisbane, Australia

Denni Arli
Department of Marketing, University of Tasmania, Hobart, Australia, and

Haroon Iqbal Maseeh
Department of Marketing, Griffith Business School Gold Coast Campus, Southport, Australia

References

About the authors
Dr Charles Jebarajakirthy is a Senior Lecturer in Marketing in Griffith Business School, Gold Coast, Australia. His research interests are in the areas of retailing, technology adoption and services marketing. Charles’s research has been published in the European Journal of Marketing, Journal of Business Research, Journal of Travel Research, Psychology & Marketing, Journal of Marketing Management, Journal of Retailing and Consumer Services, Marketing Intelligence & Planning and Journal of Strategic Marketing, among others.

Dr Scott Weaven is a Professor and Head of the Department of Marketing in the Griffith Business School. His recent research has focused on examining digital, relational and hybridized methods of international market entry, e-commerce and encroachment issues in franchise systems,

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**Dr Denni Arli** is an Associate Professor of Marketing at the College of Business and Economics at University of Tasmania. With expertise in corporate social responsibility and consumer ethics, Denni challenges social issues and strives for social changes in developing countries. His research has been published in the *Journal of the Academy of Marketing Science, Journal of Retailing, Industrial Marketing Management, European Journal of Marketing, Journal of Small Business Management, Psychology and Marketing, Journal of International Marketing and International Small Business Journal*.

**Dr Haroon Iqbal Maseeh** is a Lecturer in Marketing in the Department of Marketing at Griffith University, Gold Coast, Australia. His research interests include electronic marketing, consumer privacy and consumer behaviour. Haroon’s research work has been published in esteemed journals, including the *European Journal of Marketing, Psychology & Marketing, Journal of Business Research, International Journal of Hospitality Management, Journal of Service Theory and Practice, International Journal of Consumer Studies and Marketing Intelligence & Planning*. 