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## EDITORIAL

These three papers all examine the proven relationship between employee behavior and information security in organizations. The findings of the research described in these papers demonstrate how social engineering and awareness among employees of the dangers of using social media are fundamental in altering organizational behavior toward information security and for the consequent reduction in information systems breaches, where the role of the Chief Information Security Officer is key.

The first paper, entitled “Information security awareness and its impact on the CISO’s responsibilities – A study of the Portuguese environment”, is by Pedro Monzelo and Sérgio Nunes from Portugal. It explores how information is becoming much more exposed and vulnerable, as information assets are increasingly recognized as being critical business assets, turning information security into an essential tool for the resilience of organizations. The paper studies the main areas where information security should act, the roles and responsibilities of the Chief Information Security Officer (CISO), and shows how information security culture and awareness impacts on the CISO’s corporate responsibilities

In the second paper, “The Use of Social Engineering (SE) to Change Organizational Behavior toward Information Security in an Educational Institution”, the authors Vikram Ahmed and Serina Al-Haddad, from the USA, address how the use of social engineering can alter the organizational behavior toward information security in an educational institution. Multiple recent reports in information security have indicated that cyber attackers have increased their use of SE by concentrating exclusively on the human element in the organization. The authors review organizational behavior and how it can be changed, explaining the importance of information security. The results of a SE phishing experiment conducted at a higher education institution and a detailed information security training process are explained and conclusions are drawn.

The third paper is entitled “The Implications of Social Media Use by Employees on Organizational Reputation and Productivity”, and is by Duaa Mukhayer and Sophie Bennett, from the UK. Employee usage of social media during working hours can affect productivity, as well as the organization’s reputation. This research examines employee usage of social media and its relation to productivity and organizational reputation in a government department in the UAE, finding that using social media is not necessarily conducive to lower productivity, but that low levels of employee satisfaction appear to be, as lower job satisfaction is linked to a higher use of social media, resulting in a potentially risky situation in which organizational reputation may be compromised.

I hope that you will find this Issue interesting and illuminating reading.

Gurpreet Dhillon, Editor-in-Chief