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EDITORIAL

This Issue reproduces three papers which was submitted for the Proceedings of the Las Vegas Security Conference, 2018.

The first paper, entitled "Current Situation Analysis of Information Security Level in Municipalities", is by Rose-Mharie Åhlfeldt, Marcus Nohlberg, Eva Söderström, Christian Lennerholt, and Joeri van Laere, from Sweden. It analyses Swedish municipalities' supply and management of information, using a GAP analysis, mapping the current situation of municipalities' systematic information security work. The result shows that the information security level for systematic security work is generally low, and that there is a need to implement adapted tools for Information Security Management Systems.

In the second paper, "A Machine-Learning Based Wireless Intrusion Detection System", the authors Jeffrey L. Duffany and Carlos Y. Velez from Puerto Rico, research how to improve the design of Intrusion Detection Systems (IDS) in order to send an alert more efficiently. Machine learning techniques and cluster analysis showed the possibility of developing an IDS using a wavelet transform to convert WiFi spectra into a feature vector comprised of the energy in each wavelet component.

The third paper is entitled "The Development of a Password Classification Model", and is by Joakim Kävrestad, Fredrik Eriksson, and Marcus Nohlberg, also from Sweden. It studies the different strategies used by users when designing their passwords. To achieve this, a model was developed using interactive interviews with computer forensic experts from the Swedish forensic police. The result is a model that can be used to classify passwords based on the strategy used to create them, which can be used as a tool in education and training, as well as in future research.

The three papers discuss the spectrum of the risk of intrusion, ranging from the use of passwords, through to the improvement of intrusion detection systems.

I hope that you enjoy reading this Issue.

Gurpreet Dhillon, Editor-in-Chief