Editorial

We are pleased to release the second issue of the sixteenth volume of the **Journal of Information Security Research**, featuring the following papers.

In the opening paper, "**Improved K-means Algorithm and Its Application in University Public Physical Education**," the author introduces the particle swarm algorithm, utilising K-means technology to extract data features and relationships in physical education courses, and verifies the effectiveness of clustering through information theory. The experimental results found that the application of the improved K-means algorithm enhanced the quality of physical education, providing valuable data support and effectively improving the efficiency of course management.

In the second paper, "**Identification of Software Security Topics using Similarity of Embedding Vectors of Keywords**," the authors noted that it is a tedious task for users to identify software security topics of interest in real-time. They proposed SOSK, a novel tool that allows users to import a collection of software security reports. The SOSK tool can expand and/or refine a keyword set from a much smaller set of user-provided keywords by leveraging the similarity of embedding vectors for keywords. The performance evaluation showed that SOSK can expand keywords and retrieve reports relevant to user requests.

In the last paper, "**From Threat to Response: Cybersecurity Evolution in Albania,**" the authors noted that Albania's vulnerability to sophisticated cyber threats is increasing. They studied the evolution of Albania's cybersecurity strategies, tracing the shift from reactive measures to a proactive defence approach. Further, they provided an in-depth review of the threat models prevalent in the Western Balkans and Albania. They conclude that the application of time series and machine learning techniques can enhance predictive capabilities.

We hope these papers offer better insights for security research.

Editors