Editorial

With this issue, the fifteenth volume of the **Journal of Information Security Research** completes fifteen years of security research.

In the first paper, "**SOSK tools for software security,**" the authors *Phong Minh Vu1 and Tung Thanh Nguyen* proposed SOSK, a tool for solving software security problems. SOSK allows a user to import software security reports. During the experimental stage, the authors found that SOSK can expand keywords and retrieve reports relevant to user requests.

In the following paper, "**Derivative Analysis of Financial Instruments for Risk Management of Small and Medium-Sized Enterprises Based on Fuzzy Evaluation**," the authors analysed the development of financial instruments for risk management of small and medium-sized enterprises based on fuzzy evaluation. They introduced the basic principle and application of the fuzzy evaluation method and then analyzed its application in risk management, especially for small and medium-sized enterprises. Then, they described the primary methods and applications of risk management financial instrument derivatives based on fuzzy evaluation, including selecting financial instruments. Finally, they explored further expansion of the research in this direction.

In the third paper, "**Research on AI-based Integrated Monitoring System for Elderly Safety,**" the authors *Ming Sun* and *Hao Wang* developed a a comprehensive intelligent monitoring system for elderly safety, which combines artificial intelligence technology and diverse information fusion techniques. Through a series of sensors, the system collects daily life data of the elderly in a non-intrusive manner, enabling intelligent alerts for high-risk conditions such as falls, sudden illnesses, abnormal entries/exits, gas leaks, and smoke detection. The authors found that human posture estimation and behaviour recognition, along with the fusion of information from multiple sensors, can reduce the occurrence of elderly safety accidents and improve the living environment in communities and homes.

In the last paper, "**Financial Company Risk Prediction in the AI Era,**" the authors *Xiaojun Li,* and *Xiyan* Han constructed a personal loan default risk prediction model based on an improved LightGBM model to control default rates and reduce financial company risks. The model is developed to increase the detection system with limited errors. This model better predicted default risks than the other four models used for comparison during the experimentation.

We hope that these papers mark elegance in terms of level and quality.

Editors