•Field   Information Security

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Educational Background

Ph.D. degree in information security, School of Cybersecurity, Korea University

B.S. degree in computer and science, Sejong University

Major Careers

2021.3 – 2021.8   Research Professor, School of Cybersecurity, Korea University

Publications

· Kang, HyunJae, Byung Il Kwak, Young Hun Lee, Han Eol Lee, Hwe Jae, Lee, & Huy Kang Kim (2021, Feb.). "Car Hacking and Defense Competition on In-Vehicle Network." NDSS Workshop - AutoSec (Vol. 2021, p. 25)

· Kwak, Byung Il, Mee Lan Han, and Huy Kang Kim. "Driver Identification Based on Wavelet Transform Using Driving Patterns." IEEE TII (2020)

· Han, Mee Lan, Byung Il Kwak, and Huy Kang Kim. "Event-Triggered Interval-Based Anomaly Detection and Attack Identification Methods for an In-Vehicle Network." IEEE TIFS 16 (2021): 2941-2956

· Kwak, Byung Il, Mee Lan Han, and Huy Kang Kim. "Cosine similarity based anomaly detection methodology for the CAN bus." ESWA 166 (2021)

· Han, Mee Lan, Byung Il Kwak, and Huy Kang Kim. "CBR-Based Decision Support Methodology for Cybercrime Investigation: Focused on the Data-Driven Website Defacement Analysis." SCN 2019 (2019)

- Han, Mee Lan, Byung Il Kwak, and Huy Kang Kim. "Anomaly intrusion detection method for vehicular networks based on survival analysis." Vehicular communications 14 (2018): 52-63
- Kwak, Byung Il, JiYoung Woo, and Huy Kang Kim. "Know your master: Driver profiling-based anti-theft method." PST. IEEE, 2016
- Han, Mee Lan, Hee Chan Han, Ah Reum Kang, Byung Il Kwak, Aziz Mohaisen, Huy Kang Kim. "WHAP: Web-hacking profiling using Case-Based Reasoning." IEEE CNS. IEEE, 2016
- Woo, JiYoung, Byung Il Kwak, , Jiyoun Lim, and Huy Kang Kim (2014, November). Generosity as social contagion in virtual community. In International Conference on Social Informatics (pp. 191-199). Springer, Cham.

Awards

A3 Workshop Best Presentation Awards (2016)