

Computer & Communication Security Lab 2023

지도교수

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Open-Source Software Security

- **xVDB** : A High-Coverage Approach for Constructing a Vulnerability Database (IEEE Access'22)
- **MOVERY** : A Precise Approach for Modified Vulnerable Code Clone Discovery from Modified Open-Source Software Components (USENIX Sec'22)
- **Dicos** : Discovering Insecure Code Snippets from Stack Overflow Posts by Leveraging User Discussions(ACSAC'21)
- **VOFinder** : Discovering the Correct Origin of Publicly Reported Software Vulnerabilities (USENIX Sec'21)
- **QuickBCC** : Quick and Scalable Binary Vulnerable Code Clone Detection(IFIP SEC'21)
- **OctoPoCs** : Automatic Verification of Propagated Vulnerable Code Using Reformed Proofs of Concepts(DSN'21)
- **CENTRIS** : Identifying Modified Open-Source Software Reuses for Supply Chains (ICSE'21)
- **VeriSmart** : A Highly Precise Safety Verifier for Ethereum Smart Contracts (S&P'20)
- **Software systems at risk** : An Empirical Study of Cloned Vulnerabilities in Practice (Computers & Security'18)
- **UDDY** : A Scalable Approach for Vulnerable Code Clone Discovery(S&P'17)

Network Security

- Improving SSH detection model using IPA time and WGAN-GP(Computers & Security'22)
- **Secure and Scalable IoT** : An IoT Network Platform Based on Network Overlay and MAC Security (IFIP SEC'21)
- Resilience Evaluation of Multi-Path Routing against Network Attacks and Failures(Electronics'21)

Fuzzing & Malware Analysis

- **L2Fuzz** : Discovering Bluetooth L2CAP Vulnerabilities Using Stateful Fuzz Testing (DSN'22)
- **Riding the IoT Wave With Vfuzz** : Discovering Security Flaws in Smart Homes (IEEE Access'21)
- Obfuscated VBA Macro Detection Using Machine Learning(DSN'18)

Collaboration with Research Institutes

