# Dongkwan Kim

Security Engineer
Advanced Penetration Testing Group
Samsung Security Center, Samsung SDS

# SUMMARY

I am a highly interdisciplinary security researcher and engineer with expertise in AI, IoT, mobile/cellular systems, and cyber-physical systems, including drones and automobiles. I have authored multiple top-tier research papers, hold patents, and have delivered talks at various industry and academic venues, sharing insights that advance these fields. Known for my strong communication skills, I have won awards at hacking contests and led the KAIST hacking team in organizing CTFs, including Samsung CTF.

In the Advanced Penetration Testing Group at the Samsung Security Center, I play a pivotal role in 'Red Team' efforts, applying interdisciplinary approaches to address previously overlooked enterprise security threats across all Samsung affiliates, collaborating closely with various companies and their departments. My current focus is on securing AI services across a broad spectrum, from cloud infrastructure to ondevice applications and models, ensuring robust and secure environments.

# **EDUCATION**

# Korea Advanced Institute of Science and Technology (KAIST), South Korea

Ph.D. in School of Electrical Engineering

Mar. 2016 – Feb. 2022

Email: 0xdkay@gmail.com

Homepage: https://0xdkay.me

Thesis Title: Improving Large-Scale Vulnerability Analysis of IoT Devices with Heuristics and Binary Code Similarity

Advisor: Prof. Yongdae Kim

M.S. in School of Electrical Engineering

Mar. 2014 - Feb. 2016

Thesis Title: Dissecting VoLTE: Exploiting Free Data Channels and Security Problems

Advisor: Prof. Yongdae Kim

B.S. in School of Computing

Feb. 2010 – Feb. 2014

#### EURECOM, France

Visiting Scholar in Software and System Security

 $Jun.\ 2014-Jul.\ 2014$ 

Learned embedded device analysis techniques, particularly for debugging interfaces

Advisor: Prof. Aurélien Francillon

# WORK EXPERIENCE

Samsung Security Center, Samsung SDS, Senior Engineer, South Korea

Aug. 2022 - Present

Carrying out Red Team work to address enterprise security threats across all Samsung affiliates.

KAIST, Postdoctoral Researcher, South Korea

Mar. 2022 - Jul. 2022

Studied on anti-drone techniques and logical security bugs in baseband software

Pinion Industries, Research Intern, South Korea

Dec. 2013 - Feb. 2014

Analyzed CAN, infotainment systems, telematics, smartkey, and ECUs of automobiles

KAIST CERT, Student Senior, South Korea

Sep. 2010 - Aug. 2012

Investigated security incidents, successfully identified the culprit with in one case, leading to their apprehension by the police.

# Honors & Awards

Hacking Contests (i.e., Capture-the-flag, CTF)	
Finalist, DEFCON 27 CTF	(Team KaisHack GoN) Aug. 2019
Finalist, DEFCON 26 CTF	(Team KaisHack+PLUS+GoN) Aug. 2018
1st place (\$20,000), HDCON CTF	(Team maxlen) Nov. 2017
1st place (\$30,000), Whitehat Contest	(Team Old GoatskiN) Nov. 2017
3rd place (\$5,000), Codegate CTF	(Team Old GoatskiN) Apr. 2017
Finalist, DEFCON 24 CTF	(Team KaisHack GoN) Aug. 2016
1st place (\$20,000), Whitehat Contest	(Team SysSec) Nov. 2014
Finalist, DEFCON 22 CTF	(Team KAIST GoN) Aug. 2014
Silver prize (\$2,000), HDCON CTF	(Team GoN) Dec. 2013
1st place (\$20,000), Whitehat Contest	(Team KAIST GoN) Oct. 2013
Finalist, DEFCON 20 CTF	(Team KAIST GoN) Jul. 2012
Silver prize (\$2,000), HDCON CTF	(Team KAIST GoN) Jul. 2012
3rd place (\$5,000), Codegate CTF 2012	(Team KAIST GoN) Apr. 2012
1st place (\$10,000), ISEC CTF	(Team GoN) Sep. 2011
1st place (\$1,000), PADOCON CTF	(Team GoN) Jan, 2011
Academic Awards	
Best Paper Award, CISC-W	Nov. 2020
Title: Standard-based User Identifier Mapping Attack P	Prevention Method for LTE Network
Best Presentation Award, A3 Security Workshop	Feb. 2016
Title: Breaking and Fixing VoLTE: Exploiting Hidden I	Oata Channels and Mis-implementations
Best Paper Award, WISA	Aug. 2015
Title: BurnFit: Analyzing and Exploiting Wearable Dev	
Reported Security Vulnerabilities	
CVE-2015-6614, Android telephony privilege escalation, Go	oogle Oct. 2015
Certificates	
Engineer Information Security (i.e., 정보보안기사), South K	Korea Jun. 2016
Engineer Information Processing (i.e., 정보처리기사), South	n Korea May 2013
Scholarships	
National Scholarship (Science and Engineering), Korea Stud	dent Aid Foundation Feb. 2010 – Feb. 2020

# **PATENTS**

International Registrations	
US 10111120	Oct. 2018
Method and Apparatus for Checking Problem in Mobile Communication Network	
Domestic Registrations, South Korea	
KR 10-2514809	Mar. 2023
VIDEO IDENTIFICATION METHOD IN LTE NETWORKS AND THE SYSTEM	I THEREOF
KR 10-2418212	Jul. 2022
ARCHITECTURE-INDEPENDENT SIMILARITY MEASURING METHOD FOR TION	PROGRAM FUNC-
KR 10-2415494	Jun. 2022
Emulation based security analysis method for embedded devices	
KR 10-2333866	Nov. 2021
Method and Apparatus for Checking Problem in Mobile Communication Network	
KR 10-1972825	Apr. 2019
Method and apparatus for automatically analyzing vulnerable point of embedded	d appliance by using
hybrid analysis technology, and computer program for executing the method	
KR 10-1868836	Jun. 2018
A method to attack commercial drones using the resonance effect of gyroscopes by s	sound waves
Applications	
KR 10-2022-0132964	Oct. 2022
ANTI-DRONE SYSTEM THROUGH COMMUNICATION DISTORTION BETW	EEN SENSOR AND
CONTROL UNIT AND ITS OPERATION METHOD	
KR 10-2021-0168382	Nov. 2021
Method and System for Automatically Analyzing Bugs in Cellular Baseband Softwar	re using Comparative
Analysis based on Cellular Specifications	
KR 10-2021-0136352	Oct. 2021
METHOD FOR PREVENTING MAPPING OF USER IDENTIFIERS IN MOBILE	COMMUNICATION
SYSTEM AND THE SYSTEM THEREOF	
KR 10-2021-0040795	Mar. 2021
ANALYSIS SYSTEM FOR DETECTION OF SIP IN VOLTE AND THE METHOI	O THEREOF
KR 10-2020-0177062	Dec. 2020
Analysis method for detection of SIP implementation vulnerability in VoLTE	
KR 10-2020-0133926	Oct. 2020
Method to prevent mapping of user identifiers in mobile communication system	
KR 10-2020-0133925	Oct. 2020
APPARATUS AND METHOD FOR VIDEO TITLE IDENTIFICATION OF MOETION NETWORK USING ENCRYPTED TRAFFIC MONITORING	SILE COMMUNICA-
KR 10-2019-0005131	Jan. 2019
Large-scale honeypot system IoT botnet analysis	
KR 10-2018-0036403	Mar. 2018
Dynamic analysis method for malicious embedded firmware detection	
KR 10-2018-0036055	Mar. 2018
Emulation based security analysis method for embedded devices	
KR 10-2018-0037291	Mar. 2018
Binary-Level Virtual Function Call Protection Method by Saving Type Information	
KR 10-2018-0034616	Mar. 2018

ARCHITECTURE-INDEPENDENT SIMILARITY MEASURING METHOD FOR PROGRAM FUNCTION

# PUBLICATIONS (INTERNATIONAL)

(\*: co-first authors)

9 papers in top-tier conferences and journals (USENIX Security, CCS, NDSS, TSE, TMC)

1. BaseComp: A Comparative Analysis for Integrity Protection in Cellular Baseband Software

Eunsoo Kim\*, Min Woo Baek\*, Cheol Jun Park, <br/>  $\underline{\textbf{Dongkwan Kim}},$  Yongdae Kim, and Insu Yun

Proceedings of the 32nd USENIX Security Symposium (Security'23)

Acceptance rate: 29.22% (422 of 1,444)

Aug. 2023

2. Un-Rocking Drones: Foundations of Acoustic Injection Attacks and Recovery Thereof Jinseob Jung, Dongkwan Kim, Joonha Jang, Juhwan Noh, Changhun Song, and Yongdae Kim

Proceedings of the 2023 Annual Network and Distributed System Security Symposium (NDSS'23)

Acceptance rate: 16.18% (94 of 581)

Mar. 2023

3. Paralyzing Drones via EMI Signal Injection on Sensory Communication Channels

Junha Jang, ManGi Cho, Jaehoon, Kim, **Dongkwan Kim**, and Yongdae Kim

Proceedings of the 2023 Annual Network and Distributed System Security Symposium (NDSS'23)

Acceptance rate: 16.18% (94 of 581) Mar. 2023

4. Watching the Watchers: Practical Video Identification Attack in LTE Networks

Sangwook Bae, Mincheol Son,  $\underline{\mathbf{Dongkwan\ Kim}}$ , Cheol Jun Park, Jiho Lee, Soo<br/>el Son, and Yongdae Kim

Proceedings of the 31st USENIX Security Symposium (Security'22)

Acceptance rate: 18.10% (256 of 1,414)

Aug. 2022

5. Revisiting Binary Code Similarity Analysis using Interpretable Feature Engineering and Lessons Learned

Dongkwan Kim, Eunsoo Kim, Sang Kil Cha, Sooel Son, and Yongdae Kim

IEEE Transactions on Software Engineering (TSE'22)

Jul. 2022

6. Improving Large-Scale Vulnerability Analysis of IoT Devices with Heuristics and Binary Code Similarity

Dongkwan Kim

Ph.D. Thesis, KAIST

Daejeon, South Korea, Feb. 2022

7. Enabling the Large-Scale Emulation of Internet of Things Firmware With Heuristic Workarounds

Dongkwan Kim, Eunsoo Kim, Mingeun Kim, Yeongjin Jang, and Yongdae Kim

IEEE Security & Privacy

May 2021

8. BaseSpec: Comparative Analysis of Baseband Software and Cellular Specifications for L3 Protocols

Dongkwan Kim\*, Eunsoo Kim\*, CheolJun Park, Insu Yun, and Yongdae Kim

Proceedings of the 2021 Annual Network and Distributed System Security Symposium (NDSS'21)

Acceptance rate: 15.18% (87 of 573) Virtual, Feb. 2021

# 9. FirmAE: Towards Large-Scale Emulation of IoT Firmware for Dynamic Analysis

 $\label{eq:mingeun} \text{Mingeun Kim, } \underline{\textbf{Dongkwan Kim}}, \text{Eunsoo Kim, Suryeon Kim, Yeongjin Jang, and Yongdae Kim}$ 

Proceedings of the 2020 Annual Computer Security Applications Conference (ACSAC'20)

Acceptance rate: 23.18% (70 of 302) Virtual, Dec. 2020

#### 10. Who Spent My EOS? On the (In)Security of Resource Management of EOS.IO

Sangsup Lee, Daejun Kim, Dongkwan Kim, Sooel Son, and Yongdae Kim

Proceedings of the 13th USENIX Workshop on Offensive Technologies

(WOOT'19)

# 11. Peeking over the Cellular Walled Gardens - A Method for Closed Network Diagnosis

Byeongdo Hong, Shinjo Park, Hongil Kim, <u>Dongkwan Kim</u>, Hyunwook Hong, Hyunwoo Choi, Jean-Pierre Seifert, Sung-Ju Lee, and Yongdae Kim

IEEE Transactions on Mobile Computing (TMC'18)

Feb. 2018

# 12. When Cellular Networks Met IPv6: Security Problems of Middleboxes in IPv6 Cellular Networks

Hyunwook Hong, Hyunwoo Choi, <u>Dongkwan Kim</u>, Hongil Kim, Byeongdo Hong, Jiseong Noh, and Yongdae Kim

Proceedings of the 2nd IEEE European Symposium on Security and Privacy (EuroS&P'17)

Acceptance rate: 19.58% (38 of 194)

Paris, France, Apr. 2017

Santa Clara, CA, Aug. 2019

# 13. Pay As You Want: Bypassing Charging System in Operational Cellular Networks

Hyunwook Hong, Hongil Kim, Byeongdo Hong, **Dongkwan Kim**, Hyunwoo Choi, Eunkyu Lee, and Yongdae Kim

Proceedings of the 17th International Workshop on Information Security Applications

(WISA'16)

Jeju, South Korea, Aug. 2016

# 14. Dissecting VoLTE: Exploiting Free Data Channels and Security Problems Dongkwan Kim

M.S. Thesis, KAIST

Daejeon, South Korea, Feb. 2016

# $15. \ \, {\bf Breaking\ and\ Fixing\ VoLTE:\ Exploiting\ Hidden\ Data\ Channels\ and\ Mis-implementations}$

 $\underline{\mathbf{Dongkwan}\ \mathbf{Kim}^*},$  Hongil Kim $^*,$  Minhee Kwon, Hyungseok Han, Yeongjin Jang, Dongsu Han, Taesoo Kim, and Yongdae Kim

Proceedings of the 22nd ACM Conference on Computer and Communications Security (CCS'15)

Acceptance rate: 19.81% (128 of 646)

Denver, CO, Oct. 2015

#### 16. BurnFit: Analyzing and Exploiting Wearable Devices

Dongkwan Kim, Suwan Park, Kibum Choi, and Yongdae Kim

Proceedings of the 16th International Workshop on Information Security Applications (WISA'15)

Best Paper Award

Jeju, South Korea, Aug. 2015

#### 17. Rocking Drones with Intentional Sound Noise on Gyroscopic Sensors

Yunmok Son, Hocheol Shin, <u>Dongkwan Kim</u>, Youngseok Park, Juhwan Noh, Kibum Choi, Jungwoo Choi, and Yongdae Kim

Proceedings of the 24th USENIX Security Symposium (Security'15)

Acceptance rate: 15.73% (67 of 426)

Austin, TX, Aug. 2015

# 18. Analyzing Security of Korean USIM-based PKI Certificate Service

Shinjo Park, Suwan Park, Insu Yun, <u>Dongkwan Kim</u>, and Yongdae Kim

Proceedings of the 15th International Workshop on Information Security Applications

(WISA'14)

Jeju, South Korea, Aug. 2014

19. High-speed Automatic Segmentation of Intravascular Stent Struts in Optical Coherence Tomography Images

Myounghee Han,  $\underline{\mathbf{Dongkwan}}$   $\mathbf{Kim},$  Wang-Yuhl Oh, and Sukyoung Ryu

Proceedings of SPIE Biomedical Optics, Photonics West 2013 (BiOS'13) San Francisco, CA, Feb. 2013

# PUBLICATIONS (DOMESTIC, SOUTH KOREA)

# 1. Video Service Identification Attack in LTE by Monitoring Encrypted Traffic

Mincheol Son, Sangwook Bae, <u>Dongkwan Kim</u>, Jiho Lee, CheolJun Park, BeomSeok Oh, Sooel Son, and Yongdae Kim

Proceedings of Symposium of the Korean Institute of Communications and Information Sciences (KCIS'21)

Virtual, Jun. 2021

# 2. Standard-based User Identifier Mapping Attack Prevention Method for LTE Network

CheolJun Park, Sangwook Bae, Jiho Lee, Mincheol Son, **Dongkwan Kim**, Sooel Son, and Yongdae Kim Conference on Information Security and Cryptography Winter (CISC-W'20)

Best Paper Award South Korea, Nov. 2020

# 3. VolteFuzz: Framework for Comprehensive Analysis of SIP in Volte

Seokbin Yun, Sangwook Bae, Mincheol Son, <u>Dongkwan Kim</u>, Jiho Lee, CheolJun Park, Yeongbin Hwang, and Yongdae Kim

Conference on Information Security and Cryptography Winter (CISC-W'20) South Korea, Nov. 2020

#### 4. Firm-Pot: Large-scale Firmware Honey-Pot for Malware Analysis

Minguen Kim, Eunsoo Kim, **Dongkwan Kim**, and Yongdae Kim

Conference on Information Security and Cryptography Winter (CISC-W'18) South Korea, Dec. 2018

### 5. TVT: Typed Virtual Table for Mitigating VTable Hijacking

Jeongoh Kyea, Eunsoo Kim, Dongkwan Kim, and Yongdae Kim

Conference on Information Security and Cryptography Winter (CISC-W'17) South Korea, Dec. 2017

# 6. Design and Implementation of GPS Spoofer Software

Juhwan Noh, Dongkwan Kim, and Yongdae Kim

Conference on Information Security and Cryptography Summer (CISC-S'15) South Korea, Jun. 2015

#### 7. Security Analysis of USIM-based certificate service in Korea

Shinjo Park, Suwan Park, Insu Yun, **Dongkwan Kim**, and Yongdae Kim

Conference on Information Security and Cryptography Summer (CISC-S'14) South Korea, Jun. 2014

#### 8. Security Analysis of Femtocells in Korea

Eunsoo Kim, **Dongkwan Kim**, Youjin Lee, Shinjo Park, and Yongdae Kim

Conference on Information Security and Cryptography Summer (CISC-S'14) South Korea, Jun. 2014

AI Security Primer: Red Team Perspectives on Navigating N	New Threats and Safeguardin
AI Frontier	
AI Security Lecture for the SK Telecom Information Security Team	Seoul, South Korea, Jul. 202
.HACK Conference by Theori	Seoul, South Korea, May. 202
Scaling up Vulnerability Analysis of IoT Devices with Heur	ristics and Binary Code Sim
larity	
Technology Exchange Meeting between Samsung Mobile Security Team a	and Hyundai Motor Company Vehic
Cyber Security Team	Seoul, South Korea, Jul. 202
Colloquium at School of Cybersecurity, Korea University	Seoul, South Korea, Oct. 202
Peeking over Industry's Patch Gap: Case Study of Samsung	SmartTV's Web Browser
KAIST-Samsung SDS Tech Seminar	Daejeon, South Korea, Mar. 202
BaseSpec: Comparative Analysis of Baseband Software and	Cellular Specifications for I
Protocols	
Annual Network and Distributed System Security Symposium	Virtual, Feb. 202
KAIST-CISPA Workshop	Seoul, South Korea, Aug. 201
Breaking and Fixing VoLTE: Exploiting Hidden Data Chann	nels and Mis-implementation
A.k.a. Dissecting VoLTE: Exploiting Free Data Channels and	d Security Problems
GSMA RCS/VoLTE Security Regulatory workshop	Toronto, Canada, Sep. 201
A3 Foresight Program Annual Workshop	Okinawa, Japan, Feb. 202
Chaos Communication Congress (CCC) Conference (32C3)	Hamburg, Germany, Dec. 202
National Security Research	Daejeon, South Korea, Nov. 202
Power of Community (PoC) Conference	Seoul, South Korea, Nov. 202
ACM Conference on Computer and Communications Security (CCS)	Denver, CO, Oct. 202
Seminar at the Georgia Institute of Technology	Atlanta, GA, Oct. 202
BurnFit: Analyzing and Exploiting Wearable Devices	
16th WISA	Jeju, South Korea, Aug. 202
International CTF Challenge Solving	
NetSec-KR	Seoul, South Korea, Apr. 202
PROFESSIONAL ACTIVITIES	
Secondary Reviewer (Security)	
IEEE Symposium on Security and Privacy (Oakland)	20

Secondary Reviewer (Security)	
IEEE Symposium on Security and Privacy (Oakland)	2021
USENIX Security Symposium (Security) 2019	- 2021
Network and Distributed System Security Symposium (NDSS) 2017 – 2018, 2020	- 2021
ACM Conference on Computer and Communications Security (CCS) 2017, 2019	- 2021
IEEE European Symposium on Security and Privacy (EuroS&P) 2016, 2018	3, 2020
$ACM\ ASIA\ Conference\ on\ Computer\ and\ Communications\ Security\ (ASIACCS)\ \ 2016-2017,\ 2019$	- 2020
The WEB Conference (WWW) 2015	8, 2020
International Symposium on Research in Attacks, Intrusions and Defenses (RAID)	2017
IEEE Symposium on Privacy-Aware Computing (PAC)	2017
Secondary Reviewer (System)	
ACM Symposium on Operating Systems Principles (SOSP)	2019
Symposium on Operating Systems Design and Implementation (OSDI)	2016

# **External Security Consultant**

KAIST Computer Emergency Response Team

Sep. 2010 – Feb. 2022

May 2020 - Dec. 2020

# PARTICIPATED PROJECTS

(\*: participated as a project leader)

# **Industrial Projects**

An Industry-academia Task with Samsung Electronics Device Solutions Business	Jun. 2020 – Aug. 2020
Samsung Electronics	
*Organizing 2018 Samsung Capture-the-flag (SCTF)	Apr. 2018 – Oct. 2018
Samsung Electronics	
*Organizing 2017 Samsung Capture-the-flag (SCTF)	Dec. 2016 – Dec. 2017
Samsung Electronics	
A Study on the Security Vulnerability Analysis and Response Method of LTE	
Networks	Aug. 2016 – Jul. 2017
SK Telecom	
A Security Vulnerability Analysis of Smartcar Core Modules	$Jul.\ 2016-Jun.\ 2017$
Hyundai NGV	
A Study on the Security Analysis and Response Method of LTE Networks	Aug. 2015 – Apr. 2016
SK Telecom	
A Security Analysis of Samsung SmartTV 2014	Feb. 2014 – Dec. 2015
Samsung Electronics	

# **International Projects**

Cyber Physical Analysis of System Software Survivability by Stimulating Sensors	
on Drones	Jun. $2020$ – Feb. $2022$
Air Force Office of Scientific Research (AFOSR), Air Force Research	
Laboratory (AFRL)	

# Governmental Projects

\*A Study on the Android-based Security Analysis Technology

National Security Research (NSR)	
A Study on the Security of Random Number Generator and Embedded Devices	Jul. 2017 – Jun. 2019
Institute for Information & Communications Technology Planning &	
Evaluation (IITP)	
*A Study on the Firmware Emulation Technology for Linux-based Routers	May 2017 – Oct. 2017
NSR	
A Development of Automated Reverse Engineering and Vulnerability Detection	
Base Technology through Binary Code Analysis	Apr. 2016 – Dec. 2018
IITP	
*A CAPTCHA Design based on Human Perception Characteristics	Apr. 2016 – Dec. 2016
KAIST	
*A Study on the Vulnerability Analysis Method of Domestic/International	
Smartcars	Apr. 2015 – Nov. 2015
NSR	
A Study on the Analysis of Technology and Security Threats in LTE Femtocell	Sep. 2013 – Jan. 2014
Korea Internet & Security Agency (KISA)	
A Study on the Analysis and Response Method of Vulnerabilities in Network	
Devices	Mar. $2013 - Dec. 2013$

NSR

A Study on the Vulnerability Analysis of Network Devices  ${\tt NSR}$ 

Apr. 2011 - Oct. 2011

# OTHER ACTIVITIES

Teaching Assistant, Introduction to Electronics Design Lab. (EE305), KAIST	Fall 2019
Teaching Assistant, Discrete Methods for Electrical Engineering (EE213), KAIST	Spring 2017
Teaching Assistant, Network Programming (EE324), KAIST	Fall 2016
Teaching Assistant, Cryptography Engineering (EE817/IS893), KAIST	Spring 2016
Teaching Assistant, Security 101: Think Like an Adversary (EE515/IS523), KAIST	Fall 2015
Student Representative of School of Computing, KAIST	Feb. 2011 – Dec. 2013
Head Instructor, Information Security 101 for Freshmen (HSS062), KAIST	Sep. 2011 – Feb. 2013
Teaching Assistant, Information Security 101 for Freshmen (HSS062), KAIST	Sep. 2010 – Aug. 2011

# LIST OF REFERENCES

# Dr. Yongdae Kim

Chair Professor, KAIST

Professor, School of Electrical Engineering and Graduate School of Information Security, KAIST

Email: yongdaek@kaist.ac.kr

Homepage: https://syssec.kaist.ac.kr/~yongdaek/

### Dr. Sang Kil Cha

Director, Cyber Sercurity Research Center (CSRC), KAIST

Associate Professor, School of Computing and Graduate School of Information Security, KAIST

Email: sangkilc@kaist.ac.kr

Homepage: https://softsec.kaist.ac.kr/~sangkilc/

#### Dr. Sooel Son

Associate Professor, School of Computing and Graduate School of Information Security, KAIST

Email: sl.son@kaist.ac.kr

Homepage: https://sites.google.com/site/ssonkaist/

# Dr. Yeongjin Jang

Principal Software Engineer, Samsung Research America

Email: y.jang1@samsung.com

Homepage: https://www.unexploitable.systems/

# Dr. Insu Yun

Assistant Professor, School of Electrical Engineering and Graduate School of Information Security, KAIST

Email: insuyun@kaist.ac.kr

Homepage: https://insuyun.github.io/