



The 24th World Conference on Information Security Applications

WISA 2023

August 23-25, 2023

MAISON GLAD, Jeju Island, Korea, Hybrid (on-off mix) conference

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KEY CONTACTS

General Information

Kiwook Sohn

Seoul National University of Science and Technology, Republic of Korea
kiwook@seoultech.ac.kr

Jong-Hyoun Lee

Sejong University, Republic of Korea
jonghyoun@sejong.ac.kr

Technical Program

Howon Kim

Pusan National University, Republic of Korea
howonkim@pusan.ac.kr

Jonghee Youn

Yeungnam University, Republic of Korea
youn@yu.ac.kr

Registration: KIISC (Korea Institute of Information Security and Cryptology)

Korea Institute of Information Security and Cryptology Seongji Heights 3-Cha Bldg.,
Room 909 507 Nonhyeon-ro(Yeoksam-dong), Gangnam gu, Seoul 06132, Korea

Tel: +82-2-564-9333~4

Fax: +82-2-564-9226

E-mail: kiisc@kiisc.or.kr



The 24th World Conference on Information Security Applications

WISA 2023

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Yoonjung Kwon	NAONWORKS, Republic of Korea

Conference Program

The Main Place: Crystal Hall, Jade Hall (2F)

DAY 1 August 23 (Wednesday), 2023

Room Time	Crystal Hall
13:00 - 13:30	Registration /Opening Remarks
13:30 - 14:10	Invited Talk: 5G-AKA and EAP-AKA' from Cryptographic Perspectives - Seonghan Shin (National Institute of Advanced Industrial Science and Technology, Japan) Session Chair: Howon Kim (Pusan National University)
14:10 - 14:30	Coffee Break
14:30 - 16:10	Session 1: Cryptography Session Chair: Dooho Choi (Korea University)
16:10 - 16:30	Coffee Break
16:30 - 18:10	Session 2: Network & Application Security Session Chair: Bonam Kim (Kookmin University)

DAY 2 August 24 (Thursday), 2023

Room Time	Crystal Hall	Jade Hall
09:30 - 10:20	Keynote 1: Leaking AI: On Side-Channel Vulnerabilities (and more) on EdgeML Devices - Bhasin Shivam (Nanyang Technological University, Singapore) Session Chair: Young-Woo Kwon (Kyungpook National University)	
10:20 - 10:40	Coffee Break	
10:40 - 12:20	Session 3: Privacy & Management Session Chair: Yoonho Choi (Pusan National University)	Session 4: Attacks & Defenses Session Chair: Daeseon Choi (Soongsil University)
12:20 - 13:40	Lunch Break (Convention Hall, 1F)	
13:40 - 14:30	Keynote 2: Post-Quantum Cryptography: Now and Onwards - Bo-Yin Yang (Academia Sinica, Taiwan) Session Chair: Hwajeong Seo (Hansung University)	
14:30 - 15:00	Coffee Break	
15:00 - 16:30	KIISC Board Meeting, Social Networking	Poster Session 1 in front of Jade Hall Session Chair: Jonghee Youn (Yeungnam University)
16:30 - 18:00		Poster Session 2 in front of Jade Hall Session Chair: Jonghee Youn (Yeungnam University)
18:00 - 18:30	Break Time	
18:30 - End	Banquet (Convention Hall, 1F)	

DAY 3 August 25 (Friday), 2023

Room Time	Crystal Hall	Jade Hall
09:30 - 11:50	Session 5: Hardware & Software Security Session Chair: Haehyun Cho (Soongsil University)	Session 6: Post-Quantum Cryptography & Quantum Cryptanalysis Session Chair: Jong Hwan Park (Sangmyung University)
11:50 - 13:00	Lunch Break (Crystal Hall, 2F)	

▶ IITP 정보보호 기술교류회

시간	주요 내용
개최목적	정보보호 분야 R&D 추진방향 소개와 우수과제 전시·시상식 개최를 통한 연구자 연구 의욕 고취 및 우수성과 공유 추진
개최일시	2023년 8월 22일(화) 13:50~18:00
개최장소	메종글래드 제주 크리스탈홀
참석자	정보보호 분야 기술교류회 참관자 및 우수과제 수상자 등
주관	정보통신기획평가원(IITP)
주요 내용	정보보호 분야 정부 R&D 추진방향 소개, 우수과제 시상 및 연구성과 발표 우수과제 전시 (6개 과제) 등

● 세부일정(안)

시간	주요 내용	비고
13:20~13:50	우수과제 전시	-
13:50~14:10	정보보호 분야 정부 R&D 추진방향 소개	IITP 정현철 PM
14:10~14:40	우수과제 시상식	원장상(4개) 및 격려패(6개)
14:40~15:00	휴식 및 연구자 네트워킹	-
15:00~18:00	우수과제 연구성과 발표(10개 과제)	우수과제 연구책임자

※ 주요 내용은 행사 사정에 따라 변동 가능

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Bloomier filters on 3-hypergraphs

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Principal Component Analysis over the Boolean Circuit within TFHE Scheme

Hyun Jung Doh, Joon Soo Yoo, Mi Yeon Hong, Kang Hoon Lee, Tae Min Ahn and Ji Won Yoon (Korea University)

A security analysis on MQ-Sign

Yasuhiko Ikematsu (Kyushu University), Hyungrok Jo (Yokohama National University) and Takanori Yasuda (Okayama University of Science)

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Zhang Yan, Bai Yuhao, Lee Soojin (Hanyang University), Li Ming (Henan Normal University) and Seo Seung-Hyun (Hanyang University)

A New Frontier in Digital Security: Verification for NFT Image using Deep Learning-based ConvNeXt Model in Quantum Blockchain

Aji Teguh Prihatno, Naufal Suryanto, Harashta Tatimma Larasati, Yustus Eko, Thi-Thu-Huong Le and Howon Kim (Pusan National University)

AE-LSTM based anomaly detection system for communication over DNP 3.0

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Patchman: Firmware Update Delivery Service Over the Blockchain for IoT Environment

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Security Risk Indicator for Open Source Software to Measure Software Development Status

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Multi-class Malware Detection via Deep Graph Convolutional Networks using TF-IDF-based Attributed Call Graphs

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OCR meets the Dark Web: Identifying the Content Type Regarding Illegal and Cybercrime

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Registration ◀

► International Participants Payment Method

Registration Deadline: August 10, 2023 (UTC+09:00)

Participants can register for the conference until August 10, 2023 (UTC+09:00)

Please read carefully the registration guidelines below.

We use online registration to complete the registration for participants.

Click on the registration page link: <https://kiisc.or.kr/payment/pay/173>

At least one presenter per accepted paper, poster must register for the conference as an attendance until Aug. 5, 2023 (UTC+09:00)

► Registration Fees (International)

Online Attendance	Student	350 USD
	General Participant	
Offline Attendance	Student	350 USD
	Offline Attendance General Participant	500 USD

(Online) Registration includes (a) access to the online conference and (b) the access to the online proceedings.

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At least one presenter per accepted paper, poster must register for the conference as an author.

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▶ Registration

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Registration Fees (Domestic) : 사전등록 2023년 8월 10일(목)까지

*논문 발표자는 2023년 8월 5일(토)까지 등록

Offline Attendance	학생(전일제)	500,000 원
	군·공무원	500,000 원
	일반	700,000 원
Online Attendance	학생(전일제)/일반	200,000 원
시니어(63세 이상) 종신회원		무료

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* PAPER/POSTER 논문 발표자(저자 중 최소 1인) 는 오프라인 참석 비용으로 등록해주시기 바랍니다.

The 24th World Conference on Information Security Applications

WISA 2023



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