ISEC 2024

INTERNATIONAL SECURITY CONFERENCE

The 18th International Security Conference

Result Report

2024. 10.

ISEC Organizing Committee

Contents

Ⅰ. ISEC 2024 Overview ····· 3

1. ISEC Overview ····· 3

2. Key Achievements and Differentiation ····· 4

Ⅱ. Details of Event ····· 5

1. Opening Ceremony ····· 6

2. Conference Program ····· 7

3. Concurrent Program ····· 9

- ○ The 11th CISO Capacity Building Workshop
- ○ 2024 The 3rd CPO Workshop
- ○ 2024 Seoul Cyber Security Workshop
- ○ 2024 Seoul Personal Information Protection Workshop
- ○ National Officers Information Security Conference
- ○ ISEC 2024 Training Course
- ○ Security Solution Demonstration & Exhibition

4. Exhibitors and Exhibits ····· 16

Ⅲ. Appendix ····· 21

1. Visitor Statistics ····· 21

2. ISEC 2024 Major Photos ····· 23

I ISEC 2024 Overview

- ❍ Name of Event : ISEC 2024(The 18th International Security Conference)
- ❍ Date & Time : 16(Wed) - 17(Thu) October, 2024, 09:00 - 18:00(KST)
- ❍ Venue : COEX 3F Hall D, Auditorium, Seoul, Korea
- ❍ Subtitle : **We secure the future 'Future-proof'**
- ❍ Host : ISEC 2024 Organizing Committee
- ❍ Organizer : Korea Internet & Security Agency, Korea Council of Chief Information Security Officers, thebn co., ltd.
- ❍ Sponsor : Ministry of Science and ICT, Ministry of the Interior and Safety, Ministry of National Defense, Ministry of Health and Welfare, Personal Information Protection Commission, Seoul Metropolitan Government, Korean National Police Agency, Korea Defense Industry Trade Support Center, R.O.K Cyber Command, Electronics and Telecommunications Research Institute, National Security Research Institute, Korea Local Information Research & Development Institute, Financial Security Institute, Korea Social Security Information Service, Central Radio Management Service, Korea Institute of Science and Technology Information, Korea Information Technology Research Institute, Korea Information Security Industry Association, Korea Association of Industrial Technology Security, Online Privacy Association, Korea Cyberforce Association, KOREA Image Information research Association, Korea Surveillance Instruments Industry Cooperative, Korea High-tech Safety Industry Association, Korea Security Association, Korea Counter-Terrorism Industry Association, Korea Aviation Security Association, City Regeneration and Safety Association, Korea Defence Industry Security Council, Busan • Ulsan • Gyeongnam Information Protection Industry Association, Korea Association For Biometrics Identity Security, Korea Association for ICT Promotion, Telecommunications Technology Association, Korea Software Industry Association, Korea Information Technology Service Industry Association, Intelligent Transport Society of Korea, Fast IDentity Online Alliance, Korea Department Stores Association, Korea On-Line Shopping Association, Korea Mobile Virtual Network Operators Association, Korea Association of Game Industry, National Council of Broadcasting and Communications Officials, Information Systems Audit and Control Association Korea, Privacy Expert Instructors Association, Korea Corporate Security Managers' Council, Fairfax County Economic Development Authority, Korea Institute of Information Security and Cryptology, Korean Association of Cybersecurity Studies, Korean Society For Internet Information, The Korea Association For Industrial Security, Korean National Security And Public Safety Association, The Korean Association for Terrorism Studies, Korea Personal Information Protection Law Association, KAIST Cyber Security Research Center
- ❍ Special Sponsor : Microsoft, Paloalto Networks, Quad Miners, Doosan
- ❍ Event Scale : A total of 7,122 Attendees
  A total of 198 Organizations & Companies
  A total of 18 Tracks & 92 Sessions, 145 Exhibition Booths

1 Key Achievements and Differentiation

❍ Asia's Largest Cyber Security Conference with 7,122 Attendees

With the participation of 198 relevant organizations and cyber security solution companies, a total of 7,122 participants attended the largest cyber security conference in Asia. The event featured Chief Information Security Officers (CISOs), Chief Privacy Officer (CPOs)and cyber security professionals from various fields, contributing to the success of Asia's largest cyber security conference.

❍ Enhancing Awareness of 'Cyber Security' and Contributing to National Competitiveness

Including concurrent conferences in various sectors such as public, local government, private companies, a total of 18 tracks and 92 sessions were held over two days. Keynote speeches, Issue Analysis, and ISEC Training Course introduced the latest cyber security technology trends and application cases, enhancing the capabilities of security practitioners and contributing to the overall improvement of security standards in society.

❍ Practical Response Methods to Address Frequent Security Threats in the Industry

In collaboration with the KAIST Cybersecurity Research Center, we will host a paid "ISEC Training Course" that allows participants to master response techniques through hands-on practice dealing with cyber attack incidents that frequently occur in the industry. The course aims to provide practical response measures and strategies for effectively addressing security threats.

❍ 'Security Solution Demonstrations and Exhibitions' as a Platform for Communication between Demand and Supply

A total of 128 security solution companies, ranging from cyber security to converged security, participated in demonstrating and showcasing their solutions. They engaged in active exchanges with actual users and demand-side stakeholders, both domestically and globally. This platform facilitated understanding the characteristics and needs of solutions required by security practitioners in the field.

❍ Enhancing the Quality of Conference Content and Speaker Excellence

To improve the quality and standard of lecture content, the "3rd Speaker Evaluation Team" composed of security practitioners conducted preliminary evaluations. Audience voting and other methods were used to select the "ISEC 2024 Best Speaker," with an awards ceremony held to recognize their excellence.

Ⅱ Details of Event

❍ **Opening Ceremony** : ISEC 2024 Opening Ceremony

❍ **Conference & Exhibition**

❍ **Keynote Speech**: Presentation on Key Issues by Opinion Leaders in the security Field

❍ **Issue Analysis**: In-depth analysis of the latest global cybersecurity issues

Category	Program	Date/Venue
Opening Ceremony	o Opening Address / Congratulatory Address / VIP Luncheon	• 10/16 • Auditorium
Conference	o Keynote Speech	• 10/16~17 • Auditorium
	o Issue Analysis	
	o Announces the latest technology trends and security solution application cases	
Exhibition	o Demonstration of Security Solutions at Exhibition Booths	• 10/16~17 • Hall D
Concurrent Program	o The 11th CISO Capacity Building Workshop – Host : Korea Council of Chief Information Security Officers, Central Radio Management Service – Organizer : ISEC Organizing Committee – Sponsor : Ministry of Science and ICT, Korea Internet & Security Agency, Korea Local Information Research & Development Institute	• 10/17 • Auditorium
	o 2024 The 3rd CPO Workshop – Host : CPO Workshop Office – Sponsor : Personal Information Protection Commission	• 10/16 • Auditorium
	o 2024 Seoul Cyber Security Workshop – Host · Organizer : Seoul Metropolitan Government	• 10/17 • Seminar Room 3
	o 2024 Seoul Personal Information Protection Workshop – Host · Organizer : Seoul Metropolitan Government	• 10/17 • Seminar Room 3
	o National Officers Information Security Conference – Host · Organizer : Seoul Metropolitan Government – Sponsor : National Council of Broadcasting and Communications Officials, thebn co., ltd.	• 10/16 • Seminar Room 3
	o ISEC 2024 Training Course – Host · Organizer : KAIST Cybersecurity Research Center, BOANNEWS	• 10/15~17 • Seminar Room 2

1 Opening Ceremony

❍ Title : ISEC 2024 Opening Ceremony & VIP Luncheon

❍ Date & Time : Oct. 16(Wed), 2024 10:30~13:00

❍ Venue : COEX 3F Auditorium, Seoul (※ VIP Luncheon: Auditorium Seminar Room 1)

❍ Timetable

Category	Time	Details	Venue
Preparation	10:30~10:55	○ VIP Arrival & Free Talking	– VIP Waiting Room #Seminar Room 1
	10:55~11:00	○ Move to Auditorium	
Main Event	11:00~11:05	○ Declaration of the opening & People's rite	
	11:05~11:15	○ Opening Address – Lee Kijoo Chairperson, ISEC Organizing Committee	
	11:15~11:25	○ Congratulatory Address(1) – Shin Yongseok Secretary to the President for Cybersecurity, Office of the President Republic of Korea ○ Congratulatory Address(2) – Ryu Jemyung Deputy Office of Network Policy, Ministry of Science and ICT ○ Congratulatory Address(3) – Lee Yongsuk Deputy Minister for Digital Government and Innovation, Ministry of the Interior and Safety	
	11:25~11:30	○ Photo ops	
	11:30~12:00	○ VIP Booth Tour	– VIP's Move
VIP Luncheon	12:00~12:05	○ VIP Arrival & Seating	– VIP Luncheon #Seminar Room 1
	12:05~12:05	○ Kickoff	
	12:05~12:15	○ Toasting	
	12:15~13:00	○ Luncheon	
	13:00	○ Send off	

2 Conference Program

❍ 1st Day : October 16(Wed) 〈※ Kor-Eng Simultaneous Interpretation provided〉

Time	Program			
09:00~12:00(KST) Auditorium				
09:00~09:20	Registration Check / Tour of Exhibition Booths			
09:20~10:00	[Issues Analysis-1] Cyber Warfare Cases and Thoughts - Park Chanam CEO, Stealien			
10:00~10:30	[Keynote Speech-1] Security Silo vs. Security Platform with AI - Bae Joonho Director/Systems Engineering, Palo Alto Networks			
10:30~11:00	[Keynote Speech-2] Key technologies and security services in AI Era - Lee Jongmin Vice President, SK telecom			
11:00~11:30	[Opening Ceremony]			
11:30~12:00	[Keynote Speech-3] Past, present and near future of security operation automation - Kim Felix CTO, Quad Miners			
12:00~13:00	Lucky Draw / Tour of Exhibition Booths			
13:00~18:00(KST) Hall D				
Time	Track A	Track B	Track C	Track D
13:00~13:40	Comprehensive Threat Prevention Strategy through Email Security and Attack Surface Risk Management (ASRM) Yoon Edward Senior Sales Engineer, Trend Micro Korea	Security enhancement methods and case studies through integration of endpoint security solutions Yoon Juyoung Director, ToCSG	XDR, new paradigm of Security integration Park Jungsu Senior SE, SentinelOne	The first step to cloud security, External Attack Surface Management Kim David, Security Specialist Microsoft Korea
13:40~14:20	LLM and Cyber Security – Threats and Response Strategies Kim Beonghoon CTO, ESTsecurity	Fortinet's "Forti-CNAPP" Strategy in Response to National Policy Changes in the AI Era Kim Darren Systems Engineer, FORTINET	Mobile Security from a Visual Hacking Perspective Kim Daniel Director, JiranSecurity	Ushering in the Era of Hyper-Automation in Security Operations, A Success Guide to Intelligent Security Management Lee Seho Deputy Director, IGLOO Corporation
14:20~14:40	Tour of Exhibition Booths & Break Time			
14:40~15:20	I want to use Generative AI and Microsoft 365 securely… What about Autonomous Security? Kang Daewon Principal Manager, SOFTCAMP	Artificial Intelligence + Cyber Threat Intelligence = Future Security Innovation Park Taeyong Principal Researcher, S2W	An approach to implementing zero trust from the network level using security switch Seok Sangchan Department Manager, PIOLINK	Network Threat Hunting – Know Your Attacker Cho Namyong Advisory System Engineer, NetWitness(Metanet Tplatform)
15:20~16:00	When XDR meets ZTNA Ham Kyoungho Deputy General Manager, AhnLab	What Defending Against Ransomware-as-a-Service (RaaS) Choi Sungjae Korea Country Manager, StoneFly Korea(HIZEN)	A New Data Management Strategy in a Rapidly Changing World: An Introduction to Data Security Posture Management (DSPM) Choi Jaeho Product Manager, Fasoo	Physical Security That Cybersecurity Professionals Should Know: Latest Technologies in Safety Infrastructure (Verkada) Lee Woojin Director, Verkada
16:00~16:20	Tour of Exhibition Booths & Break Time			
16:20~17:00	Deregulation of Network Separation and Zero Trust Ryu Brian Principal Research Engineer, MONITORAPP	Implementation of National Cloud Computing Security Guidelines for Public Sector Cho Keunsuk CEO, Astron Security	Zero Trust, AI and SASE: A Holistic Approach to Threat Prevention Kim Philip Sales Engineer, Cato Networks	Next-Generation Unified Identity Protection Strategies Kim Kwangsoo Solution Engineer, CyberArk
17:00~17:40	The Core of SASE Innovation: Cloud-Based Security and Networking Solutions Yi Jake Manager, Hewlett Packard Enterprise (C PLATFORM)	Access control strategy in response to security trends – Subtitle: NoSQL/Kubernetes, ZeroTrust Kim Chungil Head of Engineering Division, PNPSECURE	Intelligent DDoS Defense: Proactive Threat Mitigation with Adaptive Analysis Hong Jay Senior Consultant, Netscout(eROP)	Safe Data Export Strategy Utilizing Generative AI and Document De-identification Technology Oh Saeyong CEO, SAT information
17:40~18:00	Lucky Draw and Closing			

○ 2nd Day : October 17(Thu) 〈※ Kor-Eng Simultaneous Interpretation provided〉

Time	Program			
09:00~11:30(KST) Auditorium				
09:00~09:30	Registration Check / Tour of Exhibition Booths			
09:30~10:00	**[Issues Analysis-2] Latest APT attack trends based on real cases** - Mun Chonghyun Director, Genians			
10:00~10:30	**[Keynote Speech-4] Security market trend from a view of Microsoft DART team** - Paul Saigar Director of Cybersecurity, Microsoft			
10:30~11:00	**[Keynote Speech-5] National Cyber Security Policy Promotion Trends** - National Intelligence Service			
11:00~11:30	**[Keynote Speech-6] How will AI and Cybersecurity evolve together?** - Lee Donggeun Vice President, KISA(Korea Internet & Security Agency)			
11:30~13:00	Lucky Draw / Tour of Exhibition Booths			
13:00~18:00(KST) Hall D				
Time	**Track A**	**Track B**	**Track C**	**Track D**
13:00~13:40	**Beyond SOC - Next Generation SOC Transformation with Precision AI based XSIAM** Jang Chris Director - Cybersecurity Strategy and Technology, Palo Alto Networks	**New Wireless Security Trends** Kim Chanseok Manager of the R&D department, Secure Letter	**Network data collection and AI using NDR** Hong Jaewan CDO, Quad Miners	**Rising wireless backdoor hacking threats: method and strategy to deal with them from a zero-trust perspective** Han Dongjin CEO, GITSN
13:40~14:20	**Introducing International Standard Technologies and Free Software for Building Zero Trust** Woo Jonghyun President, DualAuth	**ZeroTrust Implementation Masterclass by ISEC 2022, 2023 Best Speaker!** Park Kenny CISO, QueryPie	**Enhancing Operational Efficiency and Advanced Application Cases through Firewall Policy Management Automation Solution** Chung Wook Director, JIRANSNC	**Trellix AI, Your Sixth Sense for Security** Kim Hyunsub SE Manager, Trellix(ETEVERS)
14:20~14:40	Tour of Exhibition Booths & Break Time			
14:40~15:20	**How to Implement XDR from a Zero-Trust Perspective** Koo Jajin Director, NPCore	**OT Zero Trust / OT Cybersecurity Simplified** Song Jungwoo Country Manager, TXOne Networks(ToCSG)	**Analysis of attack paths and risk response through Tenable Exposure AI** Lee Joonhee Director, Tenable(ROLTECH)	**Cyber risk management strategy for enterprise and the value of cyber insurance** Cho Sanghyun CISO/CPO, LG Electronics (Hanwha General Insurance)
15:20~16:00	**Zero Trust Maturity Assessment and Implementation Strategy for Enterprise Security** Kim Seyun Director, SGA Solutions	**Cloud SIEM, What's different?** Yang Bongyeol CEO, Logpresso	**Measures to automate security tasks and enhance user convenience** Na Yong Executive Director Technical Division, SOLUPIA	**Paradigm Shift in Implementing Zero Trust: Integration of Segmentation and ZTNA** Shin Kiuk Sr, Enterprise Security Specialist, Akamai Technology
16:00~16:20	Tour of Exhibition Booths & Break Time			
16:20~17:00	**Case Study on the Construction of Work Automation and Threat Automatic Response System Using XDR Solutions** Yoon Donghan Director, Quarry Systems	**Security for Cloud AI, To Achieve MLSecOps in the Cloud** Yang Hyukjae CEO, Tatum Security	**How to prepare PQC, Software outages & Automation on Digital Trust?** Nah James Country Manager, DigiCert(FINE&SERVICE)	**Software Supply Chain Security Trend and Strategy** Je Byeoungjoo Manager, Synopsys Korea
17:00~17:40	**De-risk your business across the extended enterprise** Kim Aaron AE&TAM(Account Executive & Technical Account Manager), Qualys(ONEITM)	**Threats and countermeasures for benign document files from a ZeroTrust perspective** Choi Kyoungcheon Team Manager, SecuLetter	**The Response to Generative AI and Information Security in the Era of Cloud Computing** Nam Inwoo President, Netskope(Itian)	**Prevent personal information leaks in accordance with the amended law** Choi Bokhee, CEO L7 Security
17:40~18:00	Lucky Draw and Closing			

3 Concurrent Program

The 11th CISO Capacity Building Workshop

- Date & Tmie / Venue : Oct. 17(Thu) 13:00~18:00 / Auditorium(3F)
- Host : Korea Council of Chief Information Security Officers,
  Central Radio Management Service
- Organizer : ISEC 2024 Organizing Committee
- Sponsor : Ministry of Science and ICT, Korea Internet & Security Agency,
  Korea Local Information Research & Development Institute
- Content – 'Step-by-step implementation strategy for CISOs to become 'Future-proof'
  – Sharing of insights and experiences from current CISOs through case studies
- Attendee – Regular and associate members of the Korea CISO Council, including CISOs and security personnel
  – CISOs from companies mandated to designate and report

Time	Details	Speaker
13:00~13:30	Registration & Admission / Networking	
13:30~13:50	**[Opening Ceremony]** ○ Opening Address – Lee Kijoo Chairperson, Korea Council of Chief Information Security Officers ○ Welcoming speech – Kim Jeongsam Director General, Central Radio Management Service ○ Congratulatory Address(1) – Shin Yongseok Secretary to the President for Cybersecurity, Office of the President Republic of Korea ○ Congratulatory Address(2) – Kim Namcheol Cyber Security and Network Policy Bureau, Ministry of Science and ICT	
13:50~14:20	**[Step-by-step Implementation Strategies for CISOs (1)_Identification]** Implementation cases of a 'Zero Trust' based authentication system to identify and block internal and external intrusions	Viva Republica
14:20~14:50	**[Step-by-step Implementation Strategies for CISOs (2)_Prevention]** Examples of vulnerability assessments and internal training, and simulated hacking exercises to prevent security incidents	LotteCard
14:50~15:20	**[Step-by-step Implementation Strategies for CISOs (3)_Detection]** Operational cases of an 'Artificial Intelligence (AI)' based integrated security system for detecting internal and external threats	Korea Local Information Research & Development Institute
15:20~15:30	Break Time	
15:30~16:00	**[Step-by-step Implementation Strategies for CISOs (4)_Response]** Insights into major security incidents in 2024 and effective corporate response strategies	Korea Internet & Security Agency
16:00~16:30	**[Step-by-step Implementation Strategies for CISOs (5)_Recovery]** Optimal recovery and backup strategies to maximize 'cyber resilience'	iMBank
16:30~17:30	**[Attending ISEC 2024 and the Latest Security Solutions Exhibition and Demonstration]**	
17:30~18:00	**[Questionnaire Survey]**	
18:00	Closing	

2024 The 3rd CPO Workshop

- Date & Tmie / Venue : Oct. 16(Wed) 09:00~18:00 / Auditorium(3F)
- Host : CPO Workshop Office
- Sponsor :Personal Information Protection Commission
- Content : Privacy protection competence enhancement program for public and private sector CPOs.
- Attendee : Public and private sector CPOs, institution and company privacy protection officers, etc.

Time	Details	Speaker
09:00~13:00	Registration / Demonstration of Personal Information Protection Solutions and Booth Visitation(Hall D)	
13:00~13:40	**Amendments to the Personal Information Protection Act and policies to support innovation in new industries**	Personal Information Protection Commission
13:40~14:20	**Management of access records for personal information from generation to anomaly behavior analysis and post-event explanations**	WEEDS KOREA
14:20~14:40	Tour of Exhibition Booths & Break Time	
14:40~15:20	**Safe processing technologies for personal information to respond to the AI and big data era**	EASYCERTI
15:20~16:00	**Recent interpretations and trends related to the Personal Information Protection Act and their implications**	Whale & Sun
16:00~18:00	Demonstration of Personal Information Protection Solutions and Booth Visitation : Hall D Badge-tagging on Barcode Readers for CPO Hour	

2024 Seoul Cyber Security Workshop

- Date & Tmie / Venue : Oct. 17(Thu) 09:50~12:00 / Seminar Room 3(3F)
- Host/Organizer : Seoul Metropolitan Government
- Content - Enhancing the information security levels and awareness of public institutions, including the Seoul Metropolitan Government, 25 autonomous districts, and affiliated organizations
  - Strengthening cybersecurity capabilities, establishing a collaborative response system for cyber intrusions, and enhancing cooperation
- Attendee : Information security and personal information protection officials from the Seoul Metropolitan Government and 25 autonomous districts
  Professionals from cybersecurity and personal information protection related companies, universities, and research institutions

Time	Details	Speaker
09:50~10:00	Registration & Admission	
10:00~10:20	**[Session 1] SEOUL City's AI-Based Cyber Security Plan**	Seoul Metropolitan Government
10:20~11:00	**[Session 2] Zero Trust Security for local governments**	Ajou Univ.
11:00~11:20	Lucky Draw and Bteak Time	
11:20~12:00	**[Session 3] Introduction to the Latest Cybersecurity Infringement Cases**	
12:00~	Closing	

2024 Seoul Personal Information Protection Workshop

- Date & Tmie / Venue : Oct. 17(Thu) 13:50~17:00 / Seminar Room 3(3F)
- Host/Organizer : Seoul Metropolitan Government
- Content : Strengthening personal information protection capabilities and creating a platform for harmony and communication
- Attendee : Employees from the headquarters, business offices, autonomous districts, and related organizations

Time	Details		Speaker
13:50~14:00	Registration & Admission		
14:00~14:10	[Opening and introduction of attendees]		
14:10~14:30	[Introduction of Seoul's Privacy Policy]		Seoul Metropolitan Government
14:30~15:10	[Specialist Lecture (1)]		Korea Univ.
15:10~15:20	Q&A and Break Time		
15:20~16:00	[Specialist Lecture (2)]		Personal Information Protection Commission
16:00~16:10	Q&A and Break Time		
16:10~16:40	[Presenting and awarding best practices]	Visiting Personal Information Legal Interpretation Support Center (Pre-questioning) /On-site Q&A) Concurrent	
16:40~16:50	[Privacy Quiz]		
16:50~17:00	Closing		

National Officers Information Security Conference

- Date & Tmie / Venue : Oct. 16(Wed) 13:50~17:00 / Seminar Room 3(3F)
- Host/Organizer : Seoul Metropolitan Government
- Sponsor : National Council of Broadcasting and Communications Officials, thebn co., ltd.
- Content - Introduction of the "Seoul Cybersecurity Policy" for information security officials from local governments across the country
  - Training to strengthen capabilities in AI security and related policies
  - Promotion of a collaborative meeting to establish a council of information security officers from metropolitan local governments nationwide
- Attendee : Officials responsible for information security, cybersecurity, and personal information protection in metropolitan and basic local governments across the country

Time	Details	Speaker
13:50~14:00	Registration & Admission	
14:00~14:10	[Greeting]	Seoul Metropolitan Government
14:10~14:40	[Session 1] SEOUL City's AI-Based Cyber Security Plan	Seoul Metropolitan Government
14:40~15:40	[Session 2] AI Security and Policy Accompanying Citizens	Yonsei Univ.
15:40~16:00	Lucky Draw and Bteak Time	
16:00~16:40	[Session 3] Council of Information Protection Officers of Metropolitan Governments	
16:40~17:00	Closing	

ISEC Training Course

- Date & Tmie / Venue : Oct. 15(Tue) ~ 17(Thu) 09:00~17:00 / Seminar Room 2(3F)
- Host / Organizer : KAIST Cybersecurity Research Center, BOANNEWS
- Content
  - Analysis of the structure and characteristics of document-based malware such as PDF, Office, and Hangul that have suffered cyber attacks
  - Mastering response methods for document-based malware through practical exercises on creating AI-based malware detection models
  - Enhancing security work capabilities through practical exercises on malicious activities based on generative artificial intelligence, tools, and responses
- Attendee : Security personnel from public institutions and companies
- Key content : Document-based malware analysis & practical exercises in creating and utilizing AI-based detection models
- 1st Day : Oct. 15(Tue)

Time	Title : Understanding the Structure of Document-Based Malware and Identifying/Extracting Threat Factors
09:00~09:30	Registration & Admission
09:30~10:20	[Overview of Document-Based Malware] - Definition and characteristics of document-based malware/ Case studies/ Latest trends/ Introduction to DocScanner and libraries
10:20~10:30	Tour of Exhibition Booths & Break Time
10:30~11:20	[PDF Document-Based Malware] - Structure and characteristics of objects within PDF documents · (Practice) Analyzing threat factors using the normal functions of PDF documents · (Practice) Methods for extracting threat factors from the structure of PDF documents
11:20~13:00	Lunch
13:00~13:50	[Office Document-Based Malware (1)] - Structure and characteristics of Office documents Object Linking and Embedding(OLE) · (Practice) Analyzing threat factors using the normal functions of Office documents (OLE) · (Practice) Methods for extracting threat factors from the structure of Office documents (OLE)
13:50~14:00	Tour of Exhibition Booths & Break Time
14:00~14:50	[Office Document-Based Malware (2)] - Structure and characteristics of Office documents Office Open XML(OOXML) · (Practice) Analyzing threat factors using the normal functions of Office documents (OOXML) · (Practice) Methods for extracting threat factors from the structure of Office documents (OOXML)
14:50~15:00	Tour of Exhibition Booths & Break Time
15:00~15:50	[Hangul Document-Based Malware] - Structure and characteristics of Hangul documents OLE and OOXML · (Practice) Analyzing threat factors using the normal functions of Hangul documents · (Practice) Methods for extracting threat factors from the structure of Hangul documents
15:50~16:00	Tour of Exhibition Booths & Break Time
16:00~16:50	[Document-Based Malware Exploiting Vulnerabilities] - Status of CVE vulnerabilities commonly used in document-based malware · (Practice) Analyzing malware related to CVE-2017-11882 (Equation Editor) · (Practice) Analyzing malware related to CVE-2022-30190 (Polina)
16:50~17:00	Closing

■ 2nd Day : Oct. 16(Wed)

Time	Title : AI-Based Detection Model Generation Technology Based on Identified Threat Factors
09:00~09:30	Registration & Admission
09:30~11:20	[Traditional Malware Detection Methodologies] - Static and dynamic analysis methods - Introduction to malware analysis tools and their pros and cons [Statistical Analysis Methodologies] - Data science for data processing - Introduction to types of statistical techniques (Bayes' theorem, Monte Carlo Method) [Threat Factor Data Processing for Document Files (1)] - Handling Numpy · (Practice) Types of data structures · (Practice) Basic Numpy modules - Handling Pandas · (Practice) Introduction to Pandas data structures and basic modules · (Practice) Handling missing values and data merging
11:20~13:00	Lunch
13:00~13:50	[Threat Factor Data Processing for Document Files (2)] - Types and characteristics of graphs for data visualization · (Practice) Basics of data visualization · (Practice) Data preprocessing using images · (Practice) Feature extraction using DocScanner Parser (PDF)
13:50~14:00	Tour of Exhibition Booths & Break Time
14:00~14:50	[Creating Document-Based Malware Detection Models (1)] - Concepts and types of machine learning - Basic supervised learning algorithms - Decision trees and ensembles - Introduction to evaluation metrics for learning models - Accuracy, Precision, Recall, F1-Score, Confusion Matrix - Cross-validation
14:50~15:00	Tour of Exhibition Booths & Break Time
15:00~16:30	[Creating Document-Based Malware Detection Models (2)] - (Practice) Creating a malware detection model using 500 PDF data - XGBoost Tree model - (Practice) Analyzing machine learning performance metrics using the created model - Accuracy, Precision, Recall, F1-Score, Confusion Matrix - Trade-off between Recall and Precision, and ROC (AUC)
16:30~16:40	Tour of Exhibition Booths & Break Time
16:40~17:00	[Interpreting Document-Based Malware Detection Models] - Introduction to XAI (Explainable AI) and its necessity · (Practice) Interpreting a document-based malware detection model using XAI
17:00~	Closing

■ 3rd Day : Oct. 17(Thu)

Time	Title : Generative AI-Based Techniques for Creating and Bypassing Variant Document-Based Malware
09:00~09:30	Registration & Admission
09:30~10:20	[Overview of Generative AI] – Definitions and applications of deep learning and generative AI – Characteristics of representative generative AI and models (Transformer, GAN, VAE, Diffusion)
10:20~10:30	Tour of Exhibition Booths & Break Time
10:30~11:20	[Malicious Activities Based on Generative AI] – Threat cases and outlook using AI – Cases of phishing activity using generative AI – Cases of malware generation using generative AI – Trends and outlook of malicious activities based on generative AI
11:20~13:00	Lunch
13:00~13:50	[Generative AI-Based Malware Generation Tools and Technologies (PESidious, MalRNN)] – Explanation of PESidious model structure and features – (Demonstration) Executing PESidious and reviewing output – (Theory / Practice) Structure of OOXML documents used in MalRNN and methods for extracting stream data
13:50~14:00	Tour of Exhibition Booths & Break Time
14:00~14:50	[Theory of MalRNN Structure and Composition] – RNN structure – Principles of malware detection through Convolution and MalConv – Explanation of MalRNN structure and principles – Methods for building MalRNN suitable for document stream data
14:50~15:00	Tour of Exhibition Booths & Break Time
15:00~15:50	[Building MalRNN] · (Practice) Malware detection through Convolution and MalConv · (Practice) Building the MalRNN training process
15:50~16:00	Tour of Exhibition Booths & Break Time
16:00~17:00	[Generating Variant Malware Using MalRNN] · (Practice) Generating variant document-based malware using the built MalRNN · (Demonstration) Confirming malicious activity of generated variant document-based malware · (Practice) Transfer learning for detecting document stream data using MalConv
17:00~	Closing

Security Solution Demonstration & Exhibition

○ Host : ISEC 2024 Organizing Committee

○ Organizer : Korea Internet & Security Agency, Korea Council of Chief Information Security Officers, thebn co., ltd.

○ Date & Time : 16(Wed) - 17(Thu) October, 2024, 09:00 - 18:00(KST)

○ Venue : COEX 3F Hall D, Auditorium, Seoul, Korea

○ Scale : Total 128 Companies, 145 Exhibition Booths

○ Contents - Identifying needs and sharing cybersecurity information through the communication between suppliers and consumers

- Present practical guide for practical application of solutions
- Sharing of the latest cyber emergency response solutions cases
- Opportunity to compare different solutions in one place
- Promote new products and new technologies through introducing and demonstrating the latest security solutions
- 1:1 Business Consulting

4 Exhibitors and Exhibits

(※Alphabetical order)

NO	Company Name	Business Area and Exhibited Items
1	AhnLab	Zero Trust Security & Micro-Segmentation Solutions
2	Aideep	AI-based services for identifying, searching, detecting, and deleting personal information
3	AIRCODE	Web Isolation Solution AirRBI
4	Akamai	Global Vendor Netskope SASE (SSE) Solution – CASB/DLP, ZTNA including ChatGPT control
5	ASTRON SECURITY	Cloud Security
6	AXGATE	Next-Generation Firewall, IPS, VPN, SSL-VPN
7	BANDI SNC	Bandi SSO, IM, EAM, mOTP, MACIP
8	bellock	Firewall Policy Integrated Management System FOCS, Intelligent Video Analysis Solution i-object track, Port Vulnerability Analysis System B-SOP
9	Bitdefender Korea	Endpoint Protection Solutions
10	C PLATFORM	DigiCert Turst Lifecycle Manager, DigiCert Software Trust Manager
11	CATO NETWORKS	Single Platform SASE Vendor
12	CERTKOREA	Imperva WAAD, Data Security Fabric
13	COMXI	Physical Security Systems SmartKeeper Product Series: USB Port Lock, Network Port Lock Plus, LAN Cable Lock Plus, Link Lock, Others
14	CONNEC THINK CORPORATION	Digital Data (Structured, Unstructured) Protection Solutions
15	CRONYIT	Integrated Authentication Access Control Platform
16	CROWDSTRIKE	CrowdStrike Falcon: Cybersecurity's AI-native platform
17	CYBERARK	Identity Security
18	Cyberdigm	Cybersecurity Solutions: Document Centralization Solutions
19	Cybertek	Unified Wireless and Wired Authentication System AnyclickAUS
20	DAON	Next-Generation Scanning Platform
21	DRM inside	Web-DRM (Web content security technology that does not require security module installation), Deep Eye (Copyright infringement response)
22	DualAuth	Auto Password – Passwordless authentication solution / Filing Box – Storage protection solution to prevent ransomware
23	EASYCERTI	UBI SAFER-PSM, IDENTITY SHIELD, U-PRIVACY SAFER
24	ENKI Whitehat	OFFen - PTaaS, OFFen-CR(CyberRange), OFFen-TI, OFFen-ASM

NO	Company Name	Business Area and Exhibited Items
25	ENSECURE	Fault Diagnosis Solutions
26	eROP	Integrated Authentication Service Inhub, Secure GPT, Safe DB SaaS
27	ESTsecurity	ALYac, ALYac EDR, SecureDisk/ InternetDisk
28	ETEVERS	Trellix XDR Platform
29	ETRON	HIWARE Integrated Access Control and Account Management
30	EVERYZONE	AhnLab XDR
31	Fasoo	Data Security Status Management Solutions
32	FINE&SERVICE Inc.	DigiCert Turst Lifecycle Manager, DigiCert Software Trust Manager
33	Forcepoint	Forcepoint One, All-in-One Cloud Security Platform
34	FORTINET	AI-Based Cloud Native Application Security Platform
35	Genians	Genian NAC, Genian EDR, Genian ZTNA
36	GITSN	Wireless Backdoor Hacking Detection System Alpha-H
37	GLIMPS	Next-Generation Scanning Platform
38	HANDREAMNET	Network Security Switches, Network Integrated Management Solutions, Industrial Security Switches, OT/ICS Security Switches, AI-Based Integrated Anomaly Analysis Systems, etc.
39	HANWHA GENERAL INSURANCE	Cyber Risk Management Solutions: Focused on Cyber Insurance.
40	Hewlett Packard Enterprise	Cloud Security
41	HiZEN	Secure Storage Solutions
42	IGLOO Corporation	IPS, Anti-DDoS, NGFW, APT Response, TMS
43	Imperva	Imperva WAAD, Data Security Fabric
44	INITECH	Integrated Log Management Solution LogCenter
45	INNERBUS	Integrated Security Management (SIEM), Security Orchestration and Automated Response (SOAR), OT Security Management, etc.
46	INSPIEN	Integrated Log Solutions (Bizinsider Plus), SAP Personal Information Access Record and Access Control Solutions (Bizinsider xCon)
47	INTBRIDGE	Information Security Certification Integrated Management Platform (Compline)
48	Itian	Hash-Based E-SOAR Cyber Security Threat Detection and Automated Response Solution (TA-STR)
49	ITSTATION	ASTRON-CWS, AI Guardian
50	Jamf Software	Mobile Security Solutions, JAMF MDM Solutions

NO	Company Name	Business Area and Exhibited Items
51	Jason	Jsearch BigData, Jmachine
52	JINNETWORKS	Keyfactor, CLM (Certificate Lifecycle Management) Solutions
53	JiranData	PCFILTER, IDFILTER, AIFILTER, SERVERFILTER, WEBFILTER, etc.
54	JiranSecurity	Mobile Keeper, DocuOne, Sanitox, Cloud Mailgate
55	JiranSNC	System Vulnerability Diagnosis VADA, Firewall Policy Management Solution NxPortrait
56	JiranSoft	Office Keeper (DLP Solution)
57	Korea Corporation Security	Internationally Accepted Digital Signature U-Sign, SSL/TLS, Security Certificate Brand U-Cert
58	Korea Council of Chief Information Security Officers	Building Collaborative Systems through Information Exchange among CISOs
59	Korea Information Certificate Authority	Two-Factor Authentication, OTP
60	KSign	AI-Based Services for Identifying, Searching, Detecting, and Deleting Personal Information
61	L7 Security	Image Personal Information Blocking, Image Personal Information Scanning, Email Data Leakage Detection, Image Electronic Document Creation, etc.
62	LOGPRESSO	Logpresso Sonar, Logpresso Maestro, Logpresso Cloud, Logpresso CTI
63	mcloudoc	AI Knowledge Management Solution aidoc, Generative AI Knowledge Management Solution aichatter
64	MENLO SECURITY	Browser Security
65	METANET	Network Threat Hunting Technologies and Automated Threat Detection
66	Microsoft Korea	Threat Detection, Integrated Security, End-to-End Security, Risk Management, Account Protection, etc. Microsoft Security Solutions
67	MOCOMSYS	Mpower EZis-C (Document Centralization), Mpower Cloud (Cloud), Mpower SFS (Secure File Server)
68	MONITORAPP	IonCloud Secure Internet Access
69	NAONWORKS	Physical Unidirectional Security Solutions, OT Visibility and Threat Detection Monitoring Solutions, VoIP Firewalls, OT Protocol Gateways
70	NETAND	HIWARE Integrated Access Control and Account Management
71	NETS	NETS*Identity Manager, NETS*Single Sign On
72	NETSCOUT	Next-Generation NDR Solutions (Omnis Cyber Intelligence & Adaptive DDoS/Threat Protection)
73	Netskope	Global Vendor Netskope SASE (SSE) Solution – CASB/DLP, ZTNA including ChatGPT Control
74	NETWITNESS	Network Threat Hunting Technologies and Automated Threat Detection
75	NPCore	AI-Based APT (Advanced Persistent Threat) Response Solutions
76	NTUM	Personal Information Pseudonymization and Pseudonymous Data Integration Solutions

NO	Company Name	Business Area and Exhibited Items
77	OFFSEC	Cybersecurity Training, Cyber Ranges
78	Palo Alto Networks	Next-Generation Firewalls, Cloud Security, SOC Operations and Monitoring Automation
79	Penta Security	D'Amo, WAPPLES, iSIGN+, Cloudbric
80	PIOLINK	TFront ZT
81	Plantynet	SWG, Malicious Site Blocking, SSL Decryption/Visibility Solutions, NPB
82	PNPSECURE	DBSAFER (Integrated Access Control and Account Management Solution), FaceLocker (Zero Trust Real-Time Facial Authentication Security Solution)
83	PRIBIT Technology	On-Premises ZTNA Solutions
84	Quad Miners	NDR_NBB (Network Blackbox), CDR_Cloud Blackbox, XDR_QUADX
85	QUALYS	Unauthorized Asset and Vulnerability Management Solutions
86	QUARRY SYSTEMS	Network Security Products (SIEM/SOAR/XDR)
87	QueryPie	Data Access Control, System Access Control
88	RealSecu	RealMail & MailGuard
89	ROLTECH	Tenable Cloud Native Application Protection Platform (CNAPP)
90	S2W	Cyber Threat Intelligence Platform (Product Name: Quaxar)
91	SaferZone	SaferZone All-in-One / Anti-Ransomware / Data Vault / Email DLP
92	SANDS Lab	Cyber Threat Intelligence Platform CTX, Network Threat Detection and Response Solution MNX
93	SAT information	Docu-Guard (DocuGuard), a solution for de-identifying personal information in documents and producing exportable documents
94	SECU I	BlueMax NGF, IPS, WIPS
95	SECULAYER	Integrated Security Monitoring Solutions, Integrated Security Management Solutions
96	SecuLetter	MARS PLATFORM, MARS TI, DISARM Content Security for Email
97	Secureletter	Next-Generation Wireless Intrusion Prevention System DeepTrust AIR
98	SecuriON	OnTrust, a comprehensive security solution for mobile and IoT that protects both APP and OS areas of devices
99	SentinelOne	New Paradigm of Security Solution Integration – XDR
100	SGA SOLUTIONS	Cloud Security – vAegis, cAegis / Zero Trust Security – SGA ZTA
101	SK shieldus	Next-Generation Firewalls, IPS, VPN, SSL-VPN, Cybersecurity Solutions (Cloud Security, Endpoint, Email Security, Network, Integrated Security Platforms, etc.)
102	SK telecom	Passkey SaaS Authentication System (http://passkey.sktelecom.com/)

NO	Company Name	Business Area and Exhibited Items
103	SNAPTAG	Screen Security, Output Security, File Security, Mobile Security, Webpage Security, Generative AI Security
104	SOFTCAMP	Secure Remote Access Services, Remote Browser Isolation Service
105	SOFTFLOW	Application Security Testing Solutions
106	SOLUPIA	Firewall Policy Management, Cloud Security, Security Process Automation Systems
107	SOOSAN INT	Network Security Solutions (Malicious Site Blocking, SSL Visibility, Network Data Leakage Prevention, Web Firewall, SSL VPN, etc.)
108	SPARROW	Application Security Testing Platforms & Tools
109	SSNC	Forcepoint One, All-in-One Cloud Security Platform
110	SSR	SolidStep CCE / SolidStep CVE / MetiEye
111	STONEFLY	Secure Storage Solutions
112	SunyuNS	Illumio Zero Trust Segmentation Solution – Host Firewall
113	Symantec	Proxy, DLP, Server Antivirus Vaccine
114	Synopsys	Software Supply Chain Security
115	Tatum Security	CNAPP
116	Tenable	Tenable Cloud Native Application Protection Platform (CNAPP)
117	ToCSG	BSOne – One Agent Integrated PC Security Solution / BSD – Comprehensive Training Solution for Malicious Emails
118	Trellix	Trellix XDR Platform
119	Trend Micro	Cybersecurity Solutions (Cloud Security, Endpoint, Email Security, Network, Integrated Security Platforms, etc.)
120	TXOne Networks	BSOne – One Agent Integrated PC Security Solution / BSD – Comprehensive Training Solution for Malicious Emails
121	Verkada	Video Security Solutions
122	WareValley	Chakra Max (Integrated Access Control)
123	WEEDS KOREA	PC Integrated Security Solutions
124	WhiteDefender	Endpoint Security, Ransomware Protection Solutions
125	WINS	Personal Information Access Record Solutions
126	WIZBASE	Log Catch (Integrated Management Solution for Personal Information Access History)
127	Yokogawa Korea	OT, IT Cybersecurity
128	ZIEN	XIoT Firmware Security SECaaS 'Z-IoT'

Ⅲ Appendix

Appendix 1 Visitor Statistics

❑ Turnout of ISEC 2024 : Total 7,122 visitors

○ Visitors

- CEO, CSO, CIO, CISO, CPO, etc
- Government / Local government / Public institution security managers
- A company security officer and charger of security
- Personal Information Protection charger and manager in public & privacy
- Network-system charger and manager in public & privacy
- Cybersecurity consulting and IT audit etc.

❑ Visitor Statistics

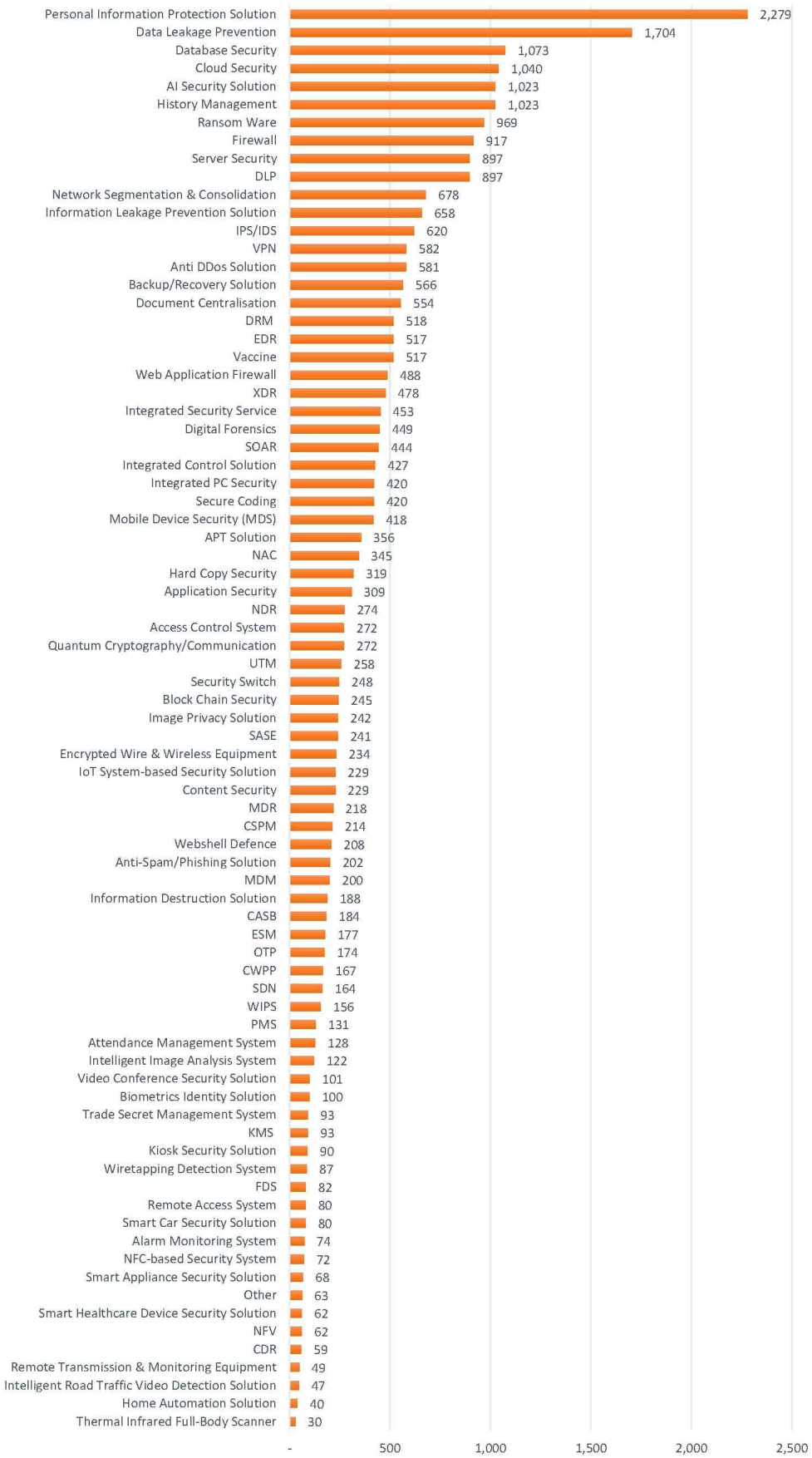
(1) by Industry

Category	the Number of	Ratio
Central Government/Local Government/ Public Institutions/Army/ Police	1,826	25.6%
Manufacturing	1,090	15.3%
Finance/Insurance	819	11.5%
Service	783	11.0%
IT/Internet/Content/Game/Multi-media	654	9.2%
Medical/Education/Law	548	7.7%
Logistics	413	5.8%
Communication/Broadcast	406	5.7%
Automotive/Shipbuilding/Energy/ Semiconductors	356	5.0%
Construction/Real Estate	164	2.3%
Others	63	0.9%
Total	7,122	100%

(2) by Job Classification

Category	the Number of	Ratio
Security/Information security	3,130	43.9%
CEO/CISO/CPO/CIO/CSO/CTO/DPO/COO/CFO	769	10.8%
Personal Information Protection	768	10.8%
System Operation	650	9.1%
Computational/Network	621	8.7%
Development/Program	427	6.1%
Sales/Marketing Officer	370	5.2%
Purchasing Agent	287	4.0%
Others	100	1.4%
Total	7,122	100%

(3) Visitor Interests(Repeated responses)



Appendix 2 Moments in Photos

Opening Address by Lee Kijoo Chairperson, ISEC Organizing Committee

Congratulatory Address(1) by Shin Yongseok Secretary to the President for Cybersecurity, Office of the President Republic of Korea

Congratulatory Address(2) by Ryu Jemyung Deputy Office of Network Policy, Ministry of Science and ICT

Congratulatory Address(3) by Lee Yongsuk Deputy Minister for Digital Government and Innovation, Ministry of the Interior and Safety

Photo of Opening Ceremony

VIP luncheon - Toast(1) Cho Youngcheol Director, Korea Information Security Industry Association

Photo of Conference

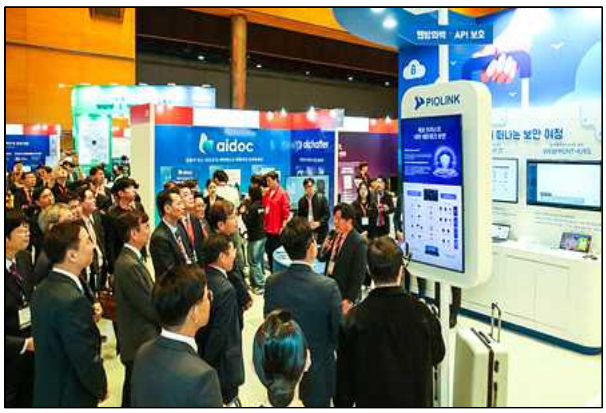
Photo of Conference

VIP Booth Tour

VIP Booth Tour

VIP Booth Tour

VIP Booth Tour



Keynote Speech
Lee Jongmin Vice President, SK telecom

Issues Analysis
Park Chanam CEO, Stealien

Keynote Speech
Paul Saigar Director of Cybersecurity, Microsoft

Keynote Speech
Bae Joonho Director/Systems Engineering,
Palo Alto Networks

Keynote Speech
Kim Felix CTO, Quad Miners

Keynote Speech
Lee Donggeun Vice President, KISA

The 11th CISO Capacity Building Workshop

2024 The 3rd CPO Workshop

ISEC 2024 Training Course

National Officers Information Security Conference

2024 Seoul Cyber Security Workshop

2024 Seoul Personal Information Protection Workshop

Photo of Event-1

Photo of Event-2

Photo of Event-3

Photo of Event-4

Photo of Event-5

Photo of Event-6