

1. Dates

November 17-20, 2025

2. Venue

November 17, 2025

Osaka University Nakanoshima Center

4-3-53 Nakanoshima, Kita-ku, Osaka 530-0005, Japan

November 18-20, 2025

Grand Cube Osaka (Osaka International Convention Center), 12th Floor

5-3-51 Nakanoshima, Kita-ku, Osaka 530-0005, Japan

3. Web Site

<https://cy2sec.comm.eng.osaka-u.ac.jp/miyaji-lab/event/cans2025/index.html>

4. Participants

133 participants from 23 countries

(130 on-site participants, 3 online participants; 80 domestic, 53 international)

5. Overview and Outcomes

The 24th International Conference on Cryptology and Network Security (CANS 2025) was held from November 17 to 20, 2025, at Osaka University Nakanoshima Center and the Grand Cube Osaka.

CANS is an annual international conference that provides a forum for presenting theoretical and practical research results in cryptology and network security.

CANS 2025 featured:

- 2 invited talks
- 33 oral presentations (26 full papers and 7 short papers)
- 6 poster presentations
- 4 corporate exhibits

A total of 133 participants attended the conference, marking the largest attendance in CANS history.

Hosting this conference in Japan demonstrated the high level of research and technological capabilities in information security. It also strengthened international collaboration.

Extended coffee breaks, poster sessions, and excursions such as the water-bus transfer to Osaka Castle promoted active interaction among participants.

6. Banquets and Cultural Promotion

Banquets were held at:

- Cotton Industry Club (Mengyo Kaikan)
- Osaka Castle Nishinomaru Garden

These venues showcased Osaka's historical and cultural significance and enhanced international exchange.

7. Social Contribution

Surplus beverages and sweets were donated, along with materials on CANS 2025 and information security, to:

- Ibaraki City Children's Association
- Sakai City Council of Social Welfare

This contributed to raising awareness of information security among younger generations.

(Reference)

1. Regional Distribution of Participants

Japan: 80

Asia: 24 (Taiwan 15, China 3, India 2, Korea 2, Vietnam 1, Thailand 1)

Europe: 21 (France 3, Germany 3, Netherlands 3, Austria 2, Luxembourg 2, Poland 2, UK 2, Belgium 1, Ireland 1, Italy 1, Switzerland 1)

North America: 4 (Canada 2, USA 2)

Oceania: 2 (Australia 2)

Middle East: 2 (Israel 1, United Arab Emirates 1)

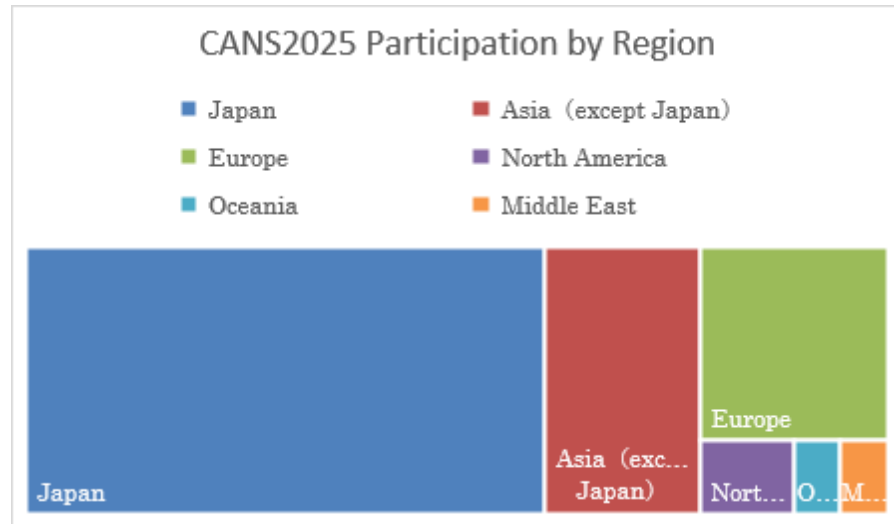


Figure 1. Regional Distribution of Participants in CANS

2. Details of invited talks, technical sessions, poster session, corporate exhibitions, and banquets

(a) Invited Talks (2)

Invited Talk 1

November 18, 9:10-10:10

Chair: Mehdi Tibouchi

Speaker: Shweta Agrawal (IIT Madras, Computer Science and Engineering)

Title: Exploring New Frontiers in Cryptography from Brave New Assumptions

Invited Talk 2

November 19, 9:10-10:10

Chair: Yongdae Kim

Speaker: Surya Nepal (CSIRO)

Title: AI in Cybersecurity: A Double-Edged Sword

(b) Technical Sessions (8 Sessions)

Technical Session 1: Advanced Encryption (座長 : Katsuyuki Takashima) 発表 : 4 件

Technical Session 2: Symmetric-Key Cryptography (座長 : Serge Vaudenay) 発表 : 4 件

Technical Session 3: Vulnerability Detection I (座長 : Razvan Beuran) 発表 : 3 件

Technical Session 4: Attacks (座長 : Clement Hoffmann) 発表 : 4 件

Technical Session 5: Multi-Party Computation (座長 : Koutarou Suzuki) 発表 : 5 件

Technical Session 6: Vulnerability Detection II (座長 : Shingo Yasuda) 発表 : 3 件

Technical Session 7: Post-Quantum Cryptography (座長 : Calvin Abou Haidar) 発表 : 5 件

Technical Session 8: Cryptographic Protocols & Blockchain (座長 : Naoto Yanai) 発表 : 5 件

Best Paper Award :

- Efficient Fuzzy Labeled PSI from Vector Ring-OLE (Dung Bui and Kelong Cong)
- Synthetic Lateral Movement Data Generation for Azure Cloud A Hopper-Based Approach (Mohammad Mamun, Hadeer Ahmed, Sherif Saad, and Anas Mabrouk)

(c) Poster Session

Six poster presentations were given, accompanied by active discussions.

One Best Poster Award was selected through voting.

Best Poster Award:

POLKA: A Practical Leakage-Resilient Post-Quantum PKE Scheme and its Leveled Implementation, (Clément Hoffmann, Benoît Libert, Charles Momin, Thomas Peters, Thibaud Schoenmakers, and François-Xavier Standaert)

(d) Corporate Exhibitions

Four sponsoring companies participated in the exhibition:

- Fortinet Japan G.K. (Gold Sponsor)
- Cisco Systems G.K. (Silver Sponsor)
- Toshiba Corporation (Silver Sponsor)
- Mitsubishi Electric Corporation (Silver Sponsor)

They provided brochures, poster displays, promotional items, and corporate presentations.

(e) Banquet Venues

November 18: Cotton Industry Club (Mengyo Kaikan) <https://mengyo-club.jp/>

November 19: Osaka Castle Nishinomaru Garden (Osaka Guest House) <https://www.osakacastle.jp/>

Photo1-4. Session Venue and Group Photo

