

Call for Papers
2022 Symposium on Cryptography and Information Security

Dates : January 18(Tue) - 21(Fri), 2022

Venue: Osaka International Convention Center (Grand Cube Osaka)

Event format: **Hybrid** (Select physical or virtual when registering)

Website : <https://www.iwsec.org/scis/2022/index.html>

Twitter : <https://twitter.com/scis2022/>

1. Overview

The Symposium on Cryptography and Information Security has been held annually since 1984 as a venue for presentation and exchanging ideas about the largest research results in the fields of cryptography and security. With the wide spread of COVID-19 infection, the 39th SCIS2022 will be held as a hybrid of physical and virtual sessions.

2. Keynote

“Moonshot Goal 6 - Realise error-tolerant general-purpose quantum computers that will dramatically improve the economy, industry, and security by 2050.”, Masahiro Kitagawa (Osaka University)

“Security and Privacy Compromises in COVID Time”, Serge Vaudenay (EPFL)

“Cryptography in the Proof-of-Work Era”, Juan Garay (Texas A&M University)

3. Scope

Papers in the field of cryptography and information security, especially in newly developing research areas. We welcome papers on a wide range of security technologies, including but not limited to the following topics (there is no selection by peer-review).

[Conference scope (non-exhaustive)]

Theory of Cryptography, Public-Key Cryptography, Common-Key Cryptography, Cryptographic Protocols, Secure Computation, Physical Cryptography, Post-Quantum Cryptography, Network Security, Web Security, System Security, Automotive Security, Hardware Security, Side-Channel Attacks, Content Protection, Security Evaluations, Privacy Protection, Biometrics, Blockchain, Educational and Psychological Issues, AI Security

4. Awards

[Innovation Paper Award]

To promote the continued development of the Symposium on Cryptography and Information Security (SCIS), the IEICE Technical Committee on Information Security (ISEC) has established the Innovation Paper Award, starting from SCIS 2012. This award encourages novel research and technological development in the fields of cryptography and security, including not only new theoretical results, but also the formulation of new problems in IT and the opening of new research directions. The manuscripts of all SCIS 2022 presentations are eligible.

[SCIS Paper Award]

To promote the continued development of the Symposium on Cryptography and Information Security (SCIS) as well as the active participation of young researchers and technical experts in the fields of cryptography and security, the IEICE Technical Committee on Information Security (ISEC) has established the SCIS Paper Award, starting from 1993. All participants presenting a paper, who are currently enrolled in a Bachelor's program or have obtained their Bachelor's degree within the last 10 years, and who have not received the SCIS Paper Award before are eligible. Please contact the secretariat if you are not sure that your paper will be treated as its award.

5. Important Dates

November 20(Sat), 2021	Submission open / Registration open
November 30(Tue), 2021	Submission of new presentations deadline
December 9(Thu), 2021	Revision of online abstracts (Web form & PDF) deadline
December 15(Wed), 2021	Publication of program
December 22(Wed), 2021	Early bird registration deadline
January 4(Tue), 2022	Submission of PDF manuscripts deadline
January 11(Tue), 2022	Publication of the abstracts*
January 12(Wed), 2022	Publication of papers
January 18(Tue)-21(Fri), 2022.	SCIS2022

*Abstracts will be published in the program regardless of manuscript submission.

6. Registration and Paper submission

Registration and paper submission are only accepted via the online submission system. Please prepare the following documents for submission: Web Abstract: 500 characters or less in Japanese, or 1300 characters or less in English, Abstract: 1 page (A4 size, 1.5MB limit), and

Paper: 8 pages or less (A4 size, 1.5MB limit). For details, please refer to the website.

7. Note

Please refer to the web page for the latest information about this symposium. The submission deadline is firm. Any submissions after the deadline will not be accepted.

8. Organizing Committee

Char : Atsuko MIYAJI (Osaka University)

Vice Chair : Hideki MATSUSHIMA (Panasonic Corporation)

Program Chair : Akira OTSUKA (Institute of Information Security)

Committee members :

Atsuo INOMATA (Osaka University), Chen-Mou CHENG (Kanazawa University), Daisuke KOTANI (Kyoto University), , Hideyuki MIYAKE (Toshiba Corporation), Hiroshi KOIDE (Kyushu University), Kazumasa OMOTEU (University of Tsukuba), Keita EMURA (National Institute of Information and Communications Technology), Masaaki SHIRASE (Future University Hakodate), Masaki INAMURA (Hiroshima City University), Naohisa NISHIDA (Panasonic Corporation), Naoto YAUCHI (Osaka University), Ryoma ITO (National Institute of Information and Communications Technology), Shingo YASUDA (National Institute of Information and Communications Technology), Shinya OKUMURA (Osaka University), Takashi HATASHIMA (Nippon Telegraph and Telephone Corporation), Takeshi CHIKAZAWA (Information-technology Promotion, (Agency), Japan), Takuho MITSUNAGA (Toyo University), Tatsuo MITANI (Mitsubishi Chemical Systems, Inc.), Tetsushi OHKI (Shizuoka University), Tetsutaro UEHARA (Ritsumeikan University), Tomoaki MIMOTO (Advanced Telecommunications Research Institute International), Yoshiaki SHIRAIISHI (Kobe University), Yuji SUGA (Internet Initiative Japan Inc.), Yuji UNAGAMI (Panasonic Corporation), Yuntao WANG (Japan Advanced Institute of Science and Technology), Yuuki TAKANO (Osaka University)

[Organized by]

IEICE Technical Committee on Information Security (ISEC)

[In cooperation with]

IEICE Technical Committee on Biometrics (BioX)

IEICE Technical Committee on Information and Communication System Security (ICSS)

IEICE Technical Committee on Hardware Security (HWS)

Computer Security Groups of Information Processing Society of Japan (CSEC of IPSJ)