14th International Conference on Security of Information and Networks (SINCONF 2021)

(an online conference due to the current pandemic)

December 15th – 17th

Outline

In succession to the successful annual SIN 2007 - SIN 2020, SIN 2021 provides an international forum for presentation of research and applications of security in information and networks. The SIN 2021 conference will be held online due to the current pandemic and features contributed, as well as invited, papers, special sessions, workshops, and tutorials on theory and practice of security of information and networks. The SIN Conference series has been co-organized by two universities in each of the USA, UK, Russia, Turkey, India, and Australia since 2007. SIN 2021 is hosted by Edinburgh Napier University and sponsored by IEEE UK & Ireland Section, IEEE UK & Ireland Section C Chapter, and Hasan Kalyoncu University.

Call for papers

Papers, special sessions, tutorials, and workshops addressing all aspects of security in information and networks are being sought. Researchers and industrial practitioners working on the following and related subjects are especially encouraged. Doctoral students are encouraged to propose papers on ongoing research.

Broad areas of interest in security theory, technology and applications will include, but are not limited to, the following:

Secure information systems

- Security, privacy, and trust of blockchain and distributed ledger technologies

- Consensus mechanisms, especially distributed control and processing applications

- Secure smart contracts

Security in networks

- Network security and protocols

- Computer network defence

- Next generation network architecture

- Autonomous and adaptive security

Development and realization of fundamental technologies

- Cryptographic techniques and key management

- Post Quantum Cryptography

- Security schemes

- New algorithms

- IoT Security and Trust

- Malware analysis

- Access control and intrusion detection

- Computational intelligence techniques in security

- Trust and privacy

Application Areas

- detection and prevention of cybercrimes such as fraud and phishing

- Industrial applications of security

- Industrial experiences and challenges of security systems

- Security of cyber-physical systems

- Security tools and development platforms

- Security-aware software engineering

- Security challenges in Mobile/Embedded Systems

- Cloud security

- Security Awareness and Education

Security Assurance

- Critical analysis of existing approaches

- Interoperability, service levels and quality issues in security systems

- Information assurance, security, and public policy

- Security ontology, models, protocols & policies

- Standards, guidelines and certification

- Information assurance

Important dates

Please consult [SIN 2021](www.sinconf.org) (www.sinconf.org) webpage for the most up-to-date info on the following:

- Paper Submission by: **November 9th**

- Author Notification: **November 30th**

- Author Registration: **December 5th**

- Camera Ready Submission: **December 10th**

- Conference: **December 15th – 17th**

Types of submissions

The following two paper categories are welcome. Any submission needs to be explicitly marked as "full paper" or "short paper".

- Full papers – scientific research papers, surveying works and industrial experiences describing significant advances. Papers should be no longer than 8 pages, including references.

- Short papers – early results or work in progress with initial findings. Papers should be maximum 4 pages long, including references.

All papers must be original and not simultaneously submitted to another journal or conference. All paper submissions must contain a title, a short abstract, and a list of keywords. All submissions will be subjected to

a thorough double-blind review by at least three reviewers. Submitted papers shall be anonymised and all

author names, affiliations, acknowledgements, and obvious traceable references should be eliminated to be eligible for the review process. Authors are also encouraged to propose position papers on practical studies and experiments, critique of existing work, emerging issues, and novel ideas under development. Enterprises and research centres developing, implementing, or using security tools and frameworks are encouraged to propose application / tool demo.

- Special sessions, tutorials, and workshops proposals should provide sufficient detail to evaluate them.

Submission

Submitted manuscripts should represent novel research contributions.

All manuscripts will have to be submitted in anonymised form for double-blind review. In double-blind review, neither the author nor the reviewers are aware of each other's identity. Papers that are not properly anonymised may be rejected without review.

To prepare your manuscript under double-blind review rules:

- Remove author names and affiliations from the title page.

- Carefully review the figures and appendices to ensure affiliations are not accidentally included

- When referring to your previous work, do so in the third person, as though it were written by someone else.

- Authors may include links to websites that contain source code, tools, or other supplemental material. Neither the link in the paper nor the website or any of the materials therein may contain the authors' names and affiliations.

Submissions should be made according to the IEEE Manuscript Templates for Conference Proceedings (Microsoft Word template, LaTex template, Overleaf). Kindly note that we prefer the use of United Kingdom English.

All submissions are made through EasyChair. Please only use this link for submission. SIN 2021 proceedings will be published in IEEE Xplore.

Organisers

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