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Organized by *London Metropolitan University, London, UK (Venue Partner)*
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WSG University, Bydgoszcz, Poland, Europe
&
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&
BPIT, GGSIPU, Delhi
Date: 14th - 15th June 2024

********** CALL FOR WORKSHOP PAPERS **********

INTERNATIONAL WORKSHOP ON
[Insert Workshop Session Name] **Cybertwin-Driven Approach to Secure IoT devices**

WORKSHOP ORGANIZERS:
[Name, University or Organization, Country, e-mail]
Dr. Aaisha Makkar, University of Derby, UK, a.makkar@derby.ac.uk
Dr. Pronaya Bhattacharya, Amity University, Kolkata, India, e-mail: pbhattacharya@kol.amity.edu
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EDITORIAL BOARD: (Optional)
[Name, University or Organization, Country, e-mail]

WORKSHOP DESCRIPTION:
The growing number of online applications and services on the Internet of Everything (IoE) poses new challenges to wireless technology and smart devices in terms of scalability, mobility, accessibility, and security. Cybertwin appears to be a possible answer to these problems for preventing cyber-attacks on IoT devices. Cybertwin goes beyond the concept of a digital twin, which is a digital reproduction of an object. It is a digital record of activity in cyberspace, such as login information, end devices, and items, at the edge cloud. It will take advantage of multi-access edge computing's capabilities and will be useful for a variety of purposes; a) Cybertwin functions as a connection anchor. It verifies users' identities and anchors users' Internet traffic at the edge. As a result, it can send data to the end device through various access channels; b) Cybertwin transforms into a cyberspace activity monitor. As online services, it keeps track of all of its serving users' activities and profiles; c) Cybertwin functions as a resource trading agent. Instead of allocating scarce resources through a central authority or third-party, such as a purpose of making, restricted tasks are distributed through rivalry in this modern era. Cybertwin offers a composite border service that connects to several important paradigm-securing devices, allowing future applications to store only the most efficient data. Cybertwin's original and distinctive characteristics will improve the flexibility, scalability, reliability, and security of IoT devices.

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

This workshop intends to encourage scholars to share their innovative ideas and ground-breaking research on Cybertwin-driven secure IoT devices. The special issue's content will mostly deal with the designs, methodologies, and difficulties of Cybertwin-driven secure IoT. The following are some of the topics that may be of interest but not limited too:

- Different layered security for IoT using Cybertwin.
- Secure network design for IoT using Cybertwin.
- Securing IoE applications using Cybertwin
- Cybertwin-driven cyber security mechanism.
- Edge architecture network using Cybertwin
- Cyber-attack detection using Cybertwin
- Energy sustainability using Cybertwin
- Green computing network using Cybertwin
- IoT-oriented applications using Cybertwin
- Paradigms in Cybertwin-driven secure IoT.

SUBMISSION PROCEDURE:

You need to create your own submission system (either use easychair or any other standard submission system) and all the submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at https://icdam-conf.com/. All submitted papers will be reviewed on a double-blind, peer review basis.

TENTATIVE LIST OF POTENTIAL CONTRIBUTORS:

Please list the tentative/confirmed contributors [Minimum 10 with name, affiliation, and email] who will submit their paper in the workshop.

LEAD WORKSHOP ORGANIZER: Dr. Aaisha Makkar, University of Derby, UK, a.makkar@derby.ac.uk

[Name, University or Organization, Country, e-mail]

*If more than one workshop organizers

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