

Advances in Internet of Things



ISSN: 2161-6817



JOURNAL EDITORIAL BOARD

ISSN 2161-6817 (Print) ISSN 2161-6825 (Online)

<https://www.scirp.org/journal/ait>

Editor-in-Chief

Prof. Ammar Rayes

Cisco Systems Inc., USA

Honorary Editor-in-Chief

Prof. Guo-Ping Liu

University of South Wales, UK

Editorial Board

Dr. George K. Adam

University of Thessaly, Greece

Dr. Faruq A. Al-Omari

Yarmouk University, Jordan

Dr. Yas Alsultanny

Arabian Gulf University, Bahrain

Dr. Richard R. Brooks

Clemson University, USA

Dr. Roberto Caldelli

University of Florence, Italy

Prof. Mohuya Chakraborty

Institute of Engineering & Management, India

Prof. Chin-Ling Chen

Chaoyang University of Technology, Chinese Taipei

Dr. Kuo-Sheng Cheng

National Cheng Kung University, Chinese Taipei

Prof. Shuo-Yan Chou

National Taiwan University of Science and Technology, Chinese Taipei

Dr. Ashraf Darwish

Helwan University, Egypt

Dr. Yanfei Fan

Oracle America, USA

Dr. Fadi Farha

Aleppo University, Syria

Prof. Jacques Fayolle

University of Saint-Etienne, France

Prof. Jing-Ming Guo

National Taiwan University of Science and Technology, Chinese Taipei

Prof. Bruce C. Kim

City University of New York, USA

Dr. Ning Kong

China Internet Network Information Center, China

Prof. Huansheng Ning

University of Science and Technology Beijing, China

Dr. Mustafa Sanli

Aselsan Inc., Türkiye

Dr. Yuan Tian

Nanjing Institute of Technology, China

Dr. Manolis Vavalis

University of Thessaly, Greece

Prof. Junru Wu

The University of Vermont, USA

Prof. Ping Yan

Anhui Agricultural University, China

Dr. Chia-Hung Yeh

National Sun Yat-sen University, Chinese Taipei

Dr. Zheng-Jun Zha

National University of Singapore, Singapore

Prof. Liying Zheng

Harbin Engineering University, China

Table of Contents

Volume 13 Number 4

October 2023

Cybersecurity and Privacy Protection in Vehicular Networks (VANETs)

B. Macena, C. Albuquerque, R. Machado 109

Knowledge and Perceptions of Hospital Care Staff towards Medical Internet of Things and the Role of Awareness Videos: A Quasi Experimental Study

A. Alomari, B. Soh..... 119

Machine-to-Machine Collaboration Utilizing Internet of Things and Machine Learning

M. Misbahuddin, A. Kashem M. Azad, V. D. College..... 144

Advances in Internet of Things (AIT)

Journal Information

SUBSCRIPTIONS

The *Advances in Internet of Things* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:

Copyright © 2023 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

Copyright for individual papers of the journal:

Copyright © 2023 by author(s) and Scientific Research Publishing Inc.

Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: ait@scirp.org



Advances in Internet of Things

ISSN 2161-6817 (Print) ISSN 2161-6825 (Online)

<https://www.scirp.org/journal/ait>

Advances in Internet of Things is an international journal dedicated to the latest advancement of impact of the Internet to the society. The goal of this journal is to provide a platform for scientists, students, academics and engineers all over the world to promote, share, and discuss various new issues and developments in different areas of Advances in Internet of Things.

Editor-in-Chief

Prof. Ammar Rayes

Cisco Systems Inc., USA

Honorary Editor-in-Chief

Prof. Guo-Ping Liu

University of South Wales, UK

Subject Coverage

The aim of the Advances in Internet of Things is to provide a forum for scientists and social workers to present and discuss issues in the impact of the Internet to the society and disseminate findings in scientific research on related subjects. The scope of the journal includes but is not limited to:

- Applications of the Internet of Things
- Artificial Intelligence
- Cloud and Services Computing
- Communications Network Technology
- Computer Networks
- Connection of Everyday Objects to the Internet
- Control of Networks
- Control over Networks
- E-Business
- E-Education
- E-Health
- Fine Arts and Media in the Internet
- Global Positioning Systems
- Home Networking
- Image Processing
- Infrared Sensors
- Internet and Online Services
- Internet of Things Communication Systems
- Internet of Things Network Infrastructures
- IP Multimedia Subsystem (IMS)
- Ipv6
- Laser Scanner
- Linking "Things" to Location and Users
- Location and Tracking of Objects
- M2M
- Mobile Ad Hoc Network (MANET) and Sensor Networks
- Network Protocols
- Network Security
- New Business Models Built around the Internet
- Online Communities and Social Networks
- P2P Networking and System
- Radio Frequency Identification
- RFID and Tagging Technologies
- Securing Information Technology
- Sensor Technology
- Text and Graphics Recognition
- Web Services

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the **AIT**.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

<https://www.scirp.org/journal/ait>

E-mail: ait@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



**Scientific
Research
Publishing**

Website: <https://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org