

Advances in Internet of Things



www.scirp.org/journal/ait

JOURNAL EDITORIAL BOARD

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

http://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

Yarmouk University, Jordan

Editorial Board

Dr. Faruq A. Al-Omari Dr. Yas Alsultanny Prof. Ramon F. Brena **Dr. Richard R. Brooks** Dr. Roberto Caldelli Prof. Mohuya Chakraborty **Prof. Chin-Ling Chen** Dr. Kuo-Sheng Cheng Prof. Shuo-Yan Chou Dr. Ashraf Darwish Dr. Yanfei Fan **Prof. Jacques Fayolle Prof. Jing-Ming Guo** Prof. Bruce C. Kim Dr. Ning Kong **Prof. Huansheng Ning** Dr. Mustafa Sanli Dr. Manolis Vavalis Prof. Junru Wu **Prof. Ping Yan** Dr. Chia-Hung Yeh Dr. Zheng-Jun Zha **Prof.** Liying Zheng

Arabian Gulf University, Bahrain Tecnologico de Monterrey, Mexico Clemson University, USA University of Florence, Italy Institute of Engineering & Management, India Chaoyang University of Technology, Chinese Taipei National Cheng Kung University, Chinese Taipei National Taiwan University of Science and Technology, Chinese Taipei Helwan University, Egypt Oracle America, USA University of Saint-Etienne, France National Taiwan University of Science and Technology, Chinese Taipei City University of New York, USA China Internet Network Information Center, China University of Science and Technology Beijing, China Aselsan Inc., Turkey University of Thessaly, Greece The University of Vermont, USA Anhui Agricultural University, China National Sun Yat-sen University, Chinese Taipei National University of Singapore, Singapore Harbin Engineering University, China



Table of Contents

Volume 8 Number 3

July 2018

Multiple Architectural Approach for Urban Development Using Wearable IoT Devices:	
A Combined Machine Learning Approach	

R. T. Mylavarapu, B. K. Mylavarapu.....27

Advances in Internet of Things (AIT) Journal Information

SUBSCRIPTIONS

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

Subscription rates: Print: \$79 per issue. To subscribe, please contact Journals Subscriptions Department, E-mail: <u>sub@scirp.org</u>

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: <u>sub@scirp.org</u>

COPYRIGHT

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

Copyright © 2018 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 © 2018 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: <u>ait@scirp.org</u>

Call for Papers



Advances in Internet of Things

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

http://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

IP Multimedia Subsystem (IMS)

Honorary Editor-in-Chief

Prof. Guo-Ping Liu

University of South Wales, UK

Subject Coverage

Applications of the Internet of Things

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:

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

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

http://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?

rt and Design

Advances in

Advances in Biological

Entomolog

Applied Mathematics

Engineering

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



Soft

Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org