

International Journal of Communications, Network and System Sciences



JOURNAL EDITORIAL BOARD

ISSN 1913-3715 (Print) ISSN 1913-3723 (Online) http://www.scirp.org/journal/ijcns

Editorial Board

Dr. Hamid Ali Abed Al-AsadiBasra University, IraqProf. Sabri ArikIstanbul University, TurkeyProf. Jalel Ben-OthmanUniversité de Paris, France

Prof. Zhenmin Chen

Florida International University, USA

Prof. Ko Chi Chung

National University of Singapore, Singapore

Prof. Daniel B. da CostaFederal University of Ceará, BrazilDr. Franca DelmastroNational Research Council, Italy

Dr. Qiang DuanPennsylvania State University Abington College, USA **Prof. Md. B. El-Mashade**Al-Azhar University, Egypt

Prof. Md. B. El-MashadeAl-Azhar University, EgyptProf. Kurt J. EngemannIona College, USA

Prof. Morteza Esmaeili Isfahan University of Technology, Iran

Prof. George Ghinea Brunel University, UK

Prof. William A. Gruver
Simon Fraser University, Canada
Dr. Jamil M. Hamodi
Hodeidah University, Yemen
University of Otago, New Zealand

Prof. Anca Daniela Ionita

University Politehnica of Bucharest, Romania

Prof. Hiroaki IshiiKwansei Gakuin University, JapanDr. Chris JoslinCarleton University, Canada

Prof. Jozef Kelemen Silesian University, Czech Republic

Prof. Alexander M. Korsunsky Oxford University, UK

Prof. Felipe Lara-Rosano National Autonomous University of Mexico, Mexico

Prof. Shahram LatifiUniversity of Nevada, USADr. Nicola MastronardiNational Research Council, Italy

Dr. Yuriy PolyakovNew Jersey Institute of Technology, USAProf. Jianbin QiuHarbin Institute of Technology, ChinaProf. Kosai RaoofJoseph Fourier University, FranceProf. Gerhard RitterUniversity of Florida, USADr. Ashok N. RudrapatnaBell Labs, Alcatel-Lucent, USADr. Arif SariGirne American University, Cyprus

Prof. Innokentiy V. Semushin
Ulyanovsk State University, Russia
Prof. Sergei Silvestrov
Mälardalen University, Sweden

Dr. Maolin Tang Queensland University of Technology, Australia

Prof. Zahir TariRMIT University, AustraliaProf. Hrishikesh VenkataramanDublin City University, IrelandProf. Lotfi A. ZadehUniversity of California, USA



ISSN Online: 1913-3723 ISSN Print: 1913-3715

Table of Contents

Volume 11	Number 4	April 2018
Analysis of Dyna	mic Virtual Private Networks Resource Allocation Scheme	es
C. A. Augustine, (C. O. Anthony, C. O. Maryrose, N. Chukwudi, I. A. Cosmas	53

International Journal of Communications, Network and System Sciences (IJCNS) Journal Information

SUBSCRIPTIONS

The *International Journal of Communications, Network and System Sciences* (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$89 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 © 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.

SPONSOR

International School of Software, Wuhan University (iss.whu.edu.cn).

PRODUCTION INFORMATION

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

E-mail: ijcns@scirp.org



International Journal of Communications, Network and System Sciences (IJCNS)

ISSN 1913-3715 (Print) ISSN 1913-3723 (Online) http://www.scirp.org/journal/ijcns

IJCNS is an international refereed journal dedicated to the latest advancement of communications and network technologies. The goal of this journal is to keep a record of the state-of-the-art research and promote the research work in these fast moving areas.

Subject Coverage

This journal invites original research and review papers that address the following issues in wireless communications and networks. Topics of interest include, but are not limited to:

Ad Hoc and Mesh Networks	Network Protocol, QoS and Congestion Control	
Coding, Detection and Modulation	Network Survivability	
Cognitive Radio	Next Generation Network Architectures	
Communication Networks Architecture Design	Reconfigurable Networks	
Communication Reliability and Privacy	Resource Management	
Communication Security and Information Assurance	Satellite Communication	
Cooperative Communications	Sensor Networks	
Embedded Distributed Systems	Simulation and Optimization Tools	
Global Networks	UWB Technologies	
Heterogeneous Networking	Wave Propagation and Antenna Design	
Microprocessor	Wireless Personal Communications	
MIMO and OFDM Technologies		

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 IJCNS.

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/ijcns E-Mail: ijcns@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





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