



# Journal of Computer and Communications



### **Journal Editorial Board**

ISSN: 2327-5219 (Print) ISSN: 2327-5227 (Online)

https://www.scirp.org/journal/jcc

#### Editor-in-Chief

Prof. Zengchang Qin Beijing University of Aeronautics and Astronautics, China

#### **Editorial Board**

Prof. Harald Øverby Norwegian University of Science and Technology, Norway

Dr. Sangeeta Ahuja IASRI (ICAR), India

Dr. Rafid Al-KhannakBuckinghamshire New University, UKDr. Orlando AyalaOld Dominion University, USA

Dr. Doina BeinCalifornia State University, Fullerton, USADr. Janusz BobulskiCzestochowa University of Technology, Poland

Dr. Ashraf DarwishThe University of Helwan, EgyptDr. Calandra DavideUniversity of Turin, ItalyDr. Vahid DehghanianUniversity of Calgary, Canada

**Dr. Qiang Duan** Pennsylvania State University Abington College, USA

Dr. Cai GaoWalmart Global Tech, USADr. Jordi Garcia AlminanaUPC BarcelonaTech, Spain

Prof. Gregory GrigoropoulosNational Technical University of Athens, GreeceProf. William Edward HammondDuke Health Technology Solutions, USA

**Dr. Fei Huang** Microsoft, USA

Dr. Dariusz Jacek JakóbczakTechnical University of Koszalin, PolandDr. Krishna P. KadiyalaUniversity of Texas at Dallas, USADr. Abbas KhosraviDeakin University, AustraliaProf. Hyunsung KimKyungil University, South KoreaDr. Sunny Jung KimDartmouth College, USA

Prof. Mikel Larrea University of the Basque Country UPV/EHU, Spain

Prof. Lai Soon Lee University Putra Malaysia, Malaysia

Dr. Guowei LeiJimei University, ChinaProf. Gino Jinho LimUniversity of Houston, USA

Prof. Yang Liu Qingdao University of Science and Technology, China

Dr. Stamatios Papadakis

University of Crete, Greece

**Dr. Lai Man Po**City University of Hong Kong, Hong Kong (China)

Dr. Zhiliang QinShandong University, SingaporeDr. Abolfazl RaziNorthern Arizona University, USAProf. Christoph ReichFurtwangen University, Germany

**Prof. Sukumar Senthilkumar** Vellore Institute of Technology-University, India

Prof. Durga Prasad Sharma University of Maryland, India

**Dr. R. Sharma** Indian Institute of Technology Madras, India

**Prof. John A. Springer** Purdue University, USA

**Dr. Mohammad Taleghani**Islamic Azad University (Rasht Branch), Iran**Dr. Vijayakumar Varadarajan**The University of New South Wales, Australia

**Dr. T. Velmurugan** Dwaraka Doss Goverdhan Doss Vaishnav College, India

**Dr. Wei Wei** Xi'an University of Technology, China

Prof. Wei Yu

Towson University, USA



ISSN Online: 2327-5227 ISSN Print: 2327-5219

## **Table of Contents**

Volume 11	Number 12	December 2023
Deepfake Video	Detection Employing Human Facial Featu	ıres
D. S. W. Nguyen,	D. T. Ademiluyi	1
Black Box Adver	sarial Defense Based on Image Denoising	and Pix2Pix
Z. Y. Rui, X. G. G	ong	14
A Knowledge-In	tegrate Cross-Domain Data Generation M	lethod for Aspect and Opinion
Z. Hao, Y. G. Li,	J. C. Yang, R. J. Bai	31
A Small Target D Mean Gray Diffe	Detection Method for Sea Surface Based or rence	n Guided Filtering and Local
D. M. Lu, M. K. V	Nang, X. X. Yang, L. Y. Teng, J. Y. Tan, Z. C. Tia	ın, L. P. Wang, G. H. Gu49
A Critical Analys Screening	sis of Machine Learning and Deep Learnin	ng Methods for Cervical Cancer
Muhtasim, M. Ra	ıhman, J. Khan, A. S. M. Mostafizur Rahman, R.	Haque, Md. S. Ali64

# Journal of Computer and Communications (JCC) Journal Information

#### SUBSCRIPTIONS

The *Journal of Computer and Communications* (Online at Scientific Research Publishing, <a href="https://www.scirp.org/">https://www.scirp.org/</a>) is published monthly by Scientific Research Publishing, Inc., USA.

#### Subscription rates:

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: <a href="mailto:sub@scirp.org">sub@scirp.org</a>

#### **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: jcc@scirp.org

# Call for Papers

# Journal of Computer and Communications

ISSN: 2327-5219 (Print) ISSN: 2327-5227 (Online)

https://www.scirp.org/journal/jcc



Journal of Computer and Communications is an international journal dedicated to the latest advancement of communications and computers. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of computer and communications. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields.

#### Subject Coverage

The journal publishes original papers including, but not limited to, the following fields:

- Applications of Communication Systems
- Artificial Intelligence
- Big Data Search and Mining
- Cloud Computing
- Communication Protocols
- Complex Network Models
- Computational Robotics
- Computer and Network Security
- Computer Graphics and Visualization
- Computer Vision
- Cooperative Communications
- Distributed Computing
- Green Networking
- Grid Computing
- High Performance Computing
- Image Processing

- Information and Communication Theory and Algorithms
- Information and Communication: Security, Privacy, and Trust
- Information Retrieval
- Mobile and Portable Communications Systems
- Mobile and Ubiquitous Networks
- Mobile Computing Systems
- Multimedia/Signal Processing
- Network Modeling and Simulation
- Numerical Methods
- Online Social Network Computing
- Optical Communications
- Self-Stabilization, Autonomic Computing
- Simulation/Analytical Evaluation of Communication Systems

We are also interested in: 1) Short Reports – 2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews – Comments and critiques.

Website and E-Mail

https://www.scirp.org/journal/jcc E-mail: jcc@scirp.org