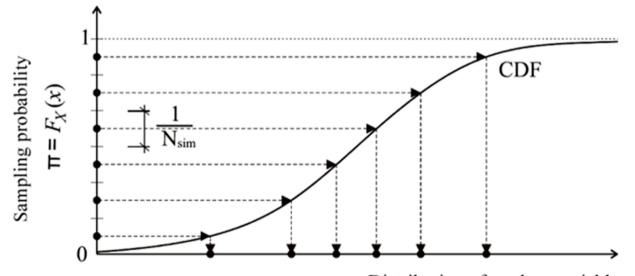
ISSN: 2327-5219 Vol. 2, No. 11, September 2014



# Journal of Computer and Communications



Distribution of random variable



www.scirp.org/journal/jcc



# **Table of Contents**

Volume 2 Number 11	September 2014
A Graduated Nonconvex Regularization for Sparse High Dimension T. F. Coleman, Y. Y. Li	
Parallel K-Means Algorithm for Shared Memory Multiprocessors	
T. Kucukyilmaz	15
Information Theory and Data-Mining Techniques for Network Tra	ffic Profiling for Intrusion Detection
P. Velarde-Alvarado, R. Martinez-Pelaez, J. Ruiz-Ibarra, V. Morales-Roo	cha24
Reliability-Based Optimization: Small Sample Optimization Strate	gy
D. Novák, O. Slowik, M. Cao	
Cognitive Robotics: For Never Was a Story of More Woe than This	3
E. Diamant	
Dynamic Characteristics of Selemion CMV-Based IPMC Actuators i	in High Humidity Environment
H. Ngetha, M. Sasaki, H. Tamagawa, S. Ito, K. Ikeda	45
Calculate Target Position of Object in 3-Dimensional Area Based o Using EOG Signals	on the Perceived Locations
M. I. Rusydi, M. Sasaki, S. Ito	53
A Framework Study for Healthcare Information Systems	
C. Çeken	61
A Humanoid Robot Gait Planning and Its Stability Validation	
J. Zeng, H. B. Chen, Y. Yin	

The figure on the front cover is from the article published in Journal of Computer and Communications, 2014, Vol. 2, No. 11, pp. 31-37 by Drahomír Novák, Ondřej Slowik and Maosen Cao.

#### Journal of Computer and Communications (JCC)

#### **Journal Information**

#### SUBSCRIPTIONS

The *Journal of Computer and Communications* (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates: Print: \$39 per issue. To subscribe, please contact Journals Subscriptions Department, E-mail: <u>sub@scirp.org</u>

#### SERVICES

Advertisements Advertisement Sales Department, E-mail: <u>service@scirp.org</u>

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 © 2014 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 © 2014 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



# Journal of Computer and Communications



ISSN: 2327-5219 (Print) ISSN: 2327-5227 (Online) http://www.scirp.org/journal/jcc

Journal of Communications and Computers 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 subfields of anthropology:

- 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

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

E-mail: jcc@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?

Art and Design Review

Advances in

dvances in Biological bemistry Entomolog

Applied Mathematics

Engineering

nii ili a

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

Soft

- 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