International Journal of Conceptions on Electronics and Communication Engineering

Editor in-chief:

Mr. T E Devi Prasad,
SAP, Banglore.

Associate Editor:
Prof. Paul Bharath Bhushan,
Member, WAIRCO.

Editorial Board:

Mr. Mohammed Pirhadi,
Associate Professor,
KIAU, Iran.

Mr. P Rasool,
Senior Software Engineer,
TCS, India.

Mr. Chaylasy Gnophanxay,
Assistant Professor,
NUOL, Laos.

Mr. G Anil Kumar,
Assistant Professor,
SV Group of Colleges, India.

Dr. Dyah Erni Herwindiati,
Professor,
UNTAR, Indonesia.

Mr. Ramakrishna,
Assistant Professor,
Nepal.

Mr. Wilson J Bab,
Senior Software Engineer,
IBM, USA.

Mrs. P Devaki,
Associate Professor,
SVPCET, India.

WAIRCO JOURNAL PUBLICATIONS

29, Flat No. 5, 2nd Cross,
Taverekere, Banglore, Karnataka, INDIA.
Phone: +91 – 80420064
Website: www.worldairco.org E-mail: info.worldairco@gmail.com

International Journal of Conceptions on Electronics and Communication Engineering

www.worldairco.org

AIM and SCOPE:

International Journal of Conceptions on Electronics and Communication Engineering (IJCECE) is an International scholarly peer reviewed min. cost Journal published by WAIRCO Journal Publishers which offers publication of articles covering theoretical, computational and experimental investigations of all aspects of the Computing and Information Technology. Each issue contains papers on both the fundamental aspects of the Computing and Information Technology and its applications in all fields.

Submission of Paper:

Manuscripts are invited from students, researchers, academicians and industrial executives and scientists for publication consideration. Papers can be submitted for consideration to peer review through e-mail: submission.worldairco@gmail.com with the understanding that they have not been published, submitted or accepted for publication elsewhere.

Frequency of Publications: ONE volume with SIX issues per year

Subscription Information: Subscription orders may be directed to the publisher. For more information, visit http://www.worldairco.org/Subscription.html

Annual Institutional Subscription Rates:

	Print and Online	**Only Online**
India only	Rs. 3000/-	Rs. 2500/-
Economically Weak Countries	USD 80 or EURO 62	USD 60 or EURO 47
Rest of the world	USD 130 or EURO 100	USD 110 or EURO 86

Publisher:

All business correspondence, enquiries and subscription orders shall be addressed to:

29, Flat No. 5, 2nd Cross,
Taverekere, BTM 1st Stage,
Banglore, Karnataka, INDIA.
E-mail: info.worldairco@gmail.com

December 2013, WAIRCO Journal Publications, INDIA
Printed in INDIA

All material published in this journal is protected by copyright, which covers exclusive rights to reproduced and distribute the material. No material published in this journal may be reproduced or stored on micro film, or in electronic, optical or magnetic form without the written authorization of the publisher.

International Journal of Conceptions on Electronics and Communication Engineering

Table of Contents

Reliability modeling of sensors network system for critical applications . . . . . 1 – 5
Swajeeth Pilot Panchangam and Prof. V N A Naikan

Performance comparison of CMOS and FINFET based SRAM for 22nm technology . . . . . 6 – 10
Lourts Deepak A, Likhitha Dhulipalla and Dr. Cyril Prasanna Raj P

Area efficient and high speed carry select adder . . . . . 11 – 14
D Nikhil Chakravarthy, Jayasree Das and Balakrishna Islawath

Design of noise tolerant circuits for modified feedthrough logic . . . . . 15 – 19
Sauvagya Ranjan Sahoo and Kamala Kanta Mahapatra

A novel method of speech watermarking using reflection coefficient and singular value decompositon in Pisarenko method . . . . . 20 – 23
Rina Anna Simon and Ajith V Pillai

BER analysis of heavily loaded DS-CDMA system by using RMD/MS-MMSE detection technique . . . . . 24 – 28
S Umamaheswara Rao, K Chiranjeevi and D V Ramana