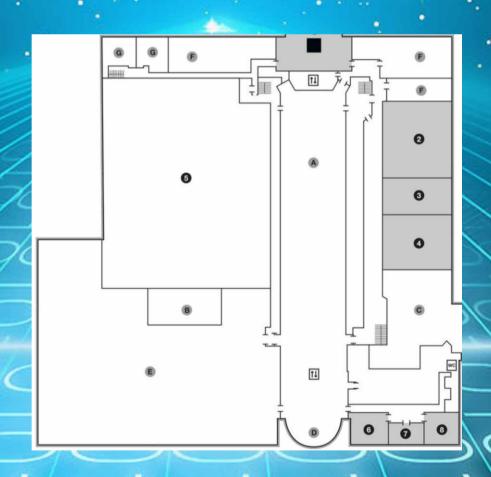


# Wireless Engineering and Technology





www.scirp.org/journal/wet

## **Journal Editorial Board**

ISSN: 2152-2294 (Print) ISSN: 2152-2308 (Online)

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

**Editor-in-Chief** 

**Prof. Yi Huang** University of Liverpool, UK

**Associate Editor-in-Chief** 

**Prof. Zhipeng Wu** The University of Manchester, UK

**Editorial Board** 

**Prof. Atef Abdrabou** United Arab Emirates University, UAE

**Prof. Felix T. S. Chan** The Hong Kong Polytechnic University, China

Prof. Wanyang Dai Nanjing University, China

Prof. Zhaoyun Duan University of Electronic Science and Technology of China, China

**Prof. Min-Shiang Hwang** National Chung Hsing University, Chinese Taipei

Prof. Margaret L. McLaughlin University of Southern California, Canada

Prof. Roberto Montemanni Dalle Molle Institute for Artificial Intelligence, Switzerland

Prof. M. B. Rama Murthy CMR College of Engineering and Technology, India

Prof. Homayoon Oraizi Iran University of Science & Technology, Iran

**Prof. A. G. Unil Perera** Georgia State University, USA

Dr. Xin QinSimula Research Laboratory, NorwayDr. Kewei ShaOklahoma City University, USAProf. Yuriy S. ShmaliyGuanajuato University, Mexico

**Prof. Prashant Kumar Shukla** Rajeev Gandhi Technical University, India

Prof. Yuh-Min Tseng National Changhua University of Education, Chinese Taipei

Dr. Yuhao WangNanchang University, ChinaProf. Changxu (Sean) WuUniversity of Michigan, USAProf. Fei ZhangMichigan State University, USA



# **Table of Contents**

Volume 6	Number 4	October 2015
Experimental Railway Appl	Analysis of UWB Signal Performance in a Constrained Environn ication	nent for
O. Cohin, S.	lbenjellal, F. Boukour, S. Baranowski	79
Genetic Algoi	rithm Based QoS Aware Adaptive Subcarrier Allocation in Cogni	tive Radio Networks
D D Datil V	A Wankhada V M Wadhai	07

### Wireless Engineering and Technology (WET)

### **Journal Information**

### **SUBSCRIPTIONS**

The Wireless Engineering and Technology (Online at Scientific Research Publishing, <a href="www.SciRP.org">www.SciRP.org</a>) is published quarterly by Scientific Research Publishing, Inc., USA.

### **Subscription rates:**

Print: \$79 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 © 2015 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 © 2015 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: wet@scirp.org



# Wireless Engineering and Technology (WET)

ISSN 2152-2294 (Print) ISSN 2152-2308 (Online)

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

Wireless Engineering and Technology is an international journal dedicated to the latest advancement of wireless engineering and technology. 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 wireless engineering and technology.

### Editor-in-Chief

Prof. Yi Huang University of Liverpool, UK

### **Associate Editor-in-Chief**

Prof. Zhipeng Wu The University of Manchester, UK

### Subject Coverage

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

- Antenna Systems and Radio Frequency (RF) Engineering
- Body Area Networks and Its Applications
- Broadband Wireless Access Techniques
- Cognitive Radio and Software Defined Radio
- Microwave and Millimeter Wave Theory and Techniques
- Multiuser and Multiple Access Schemes
- Optical Wireless Communications
- Radio Network Planning and Optimisation for UMTS
- Radio Resource Management and Interference Control

- •Terahertz and Infrared Technology and Engineering
- Vehicular Communications and Networks
- Wireless Air Interface and Link Control
- •Wireless Channel Modeling and Propagation
- Wireless Multimedia Communications and Computing
- •Wireless Power Transmission
- •Wireless Sensor Networks
- Wireless System Architectures and Applications
- Wireless Traffic and Routing

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 **WET**.

### **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/wet E-mail: wet@scirp.org