International Journal on

Advances in Telecommunications



TOPIC



The International Journal on Advances in Telecommunications is published by IARIA. ISSN: 1942-2601 journals site: http://www.iariajournals.org contact: petre@iaria.org

Responsibility for the contents rests upon the authors and not upon IARIA, nor on IARIA volunteers, staff, or contractors.

IARIA is the owner of the publication and of editorial aspects. IARIA reserves the right to update the content for quality improvements.

Abstracting is permitted with credit to the source. Libraries are permitted to photocopy or print, providing the reference is mentioned and that the resulting material is made available at no cost.

Reference should mention:

International Journal on Advances in Telecommunications, issn 1942-2601 vol. 2, no. 4, year 2009, http://www.iariajournals.org/telecommunications/

The copyright for each included paper belongs to the authors. Republishing of same material, by authors or persons or organizations, is not allowed. Reprint rights can be granted by IARIA or by the authors, and must include proper reference.

Reference to an article in the journal is as follows:

<Author list>, "<Article title>" International Journal on Advances in Telecommunications, issn 1942-2601 vol. 2, no. 4, year 2009,<start page>:<end page> , http://www.iariajournals.org/telecommunications/

IARIA journals are made available for free, proving the appropriate references are made when their content is used.

Sponsored by IARIA www.iaria.org

Copyright © 2009 IARIA

International Journal on Advances in Telecommunications Volume 2, Number 4, 2009

CONTENTS

First and Second Order Statistical Characteristics of the SSC Combiner Output Signal in the Presence of Rice fading Dragana Krstić, University of Niš, Serbia Mihajlo Stefanović, University of Niš, Serbia Žaslav Stefanović, University of Niš, Serbia Petar Nikolić, Tigartyres, Serbia Zoran Popović, University of Kragujevac, Serbia	111 - 120		
		Dynamic Power and Bit Allocation Scheme for Spectral Efficiency Maximization in	121 - 130
		Cognitive Multiband OFDM UWB Systems Liaoyuan Zeng, University of Limerick, Ireland	
		Eduardo Cano, Institute for the Protection and Security of the Citizen Joint Research Center	
		European Commission, Italy	
		Adaptive MCS Selection with Dynamic and Fixed Sub-channelling for Frequency-	131 - 141
Coherent OFDM Channels			
Muayad S. Al-Janabi, Newcastle University, UK			
Charalampos C. Tsimenidis, Newcastle University, UK			
Bayan S. Sharif, Newcastle University, UK			

Stéphane Y. Le Goff, Newcastle University, UK