



Relay Selection & Resource Allocation in Cognitive Cooperative Network

By M. Shamim Kaiser

LAP Lambert Academic Publishing Apr 2012, 2012. Taschenbuch. Book Condition: Neu. 220x150x7 mm. This item is printed on demand - Print on Demand Neuware - Cooperative relaying in a cognitive radio network (CRN) has been used to achieve diversity gain and energy efficiency through the relay node. This dissertation investigates the Neuro-Fuzzy (NF) based relay selection, fair resource allocation for cooperative relay network. The main idea is to increase the data transmission rate and spectrum utilization efficiency while decreasing the outage probability and complexity of the system. The outage probability and BER expressions have been derived. Simulation results depict close consensus between analytical results and simulations. NF selection algorithm provides better performance improvement over conventional algorithms. The complexity analysis shows that the proposed algorithm requires less time to select the best relay. We also investigate opportunistic spectrum access and spectrum hand-off (HO) for RCRN using intelligent NF based approach. The main aim is to increase the average throughput of the RCRN while reducing the number of HO decisions. Performance evaluations also reveal that the outage probability is reduced and the system's capacity is increased. 112 pp. Englisch.



Reviews

An exceptional publication as well as the font employed was exciting to see. it was actually writtern extremely flawlessly and helpful. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Dominic Collins

This ebook could be worthy of a read through, and far better than other. I am quite late in start reading this one, but better then never. I realized this publication from my dad and i advised this publication to learn.

-- Stefan Von

See Also



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG, Eignungstest für das Medizinstudium, Adult Attachment Interview,...



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers who are new to computer programming. Although...



Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success

Brookes Publishing Co. Paperback. Book Condition: new. BRAND NEW, Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success, Eva M. Horn, Susan B. Palmer, Gretchen D. Butera, Joan A. Lieber, How can inclusive early educators plan and deliver...



Houdini's Gift

Independent Publishers Group (IPG) - Chicago Review Press, 2009. Hardcover. Book Condition: New. Revisiting well-loved characters from a past adventure, this picture book presents animal-loving Ben with the challenge of having another pet after losing his pet hamster. Knowing that Ben is...



The Goblin's Toyshop

Octopus Publishing Group. Paperback. Book Condition: new. BRAND NEW, The Goblin's Toyshop, Enid Blyton, A magical selection of short stories including The Little Chatterbox, The Very Strange Pool, The Enchanted Button and Porridge Town. Each tale contains charming and loveable characters and...



Very Short Stories for Children: A Child's Book of Stories for Kids

Paperback. Book Condition: New. This item is printed on demand. Item doesn't include CD/DVD.