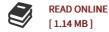


Fuzzy Logic Based Transmission Power Control in WSNs

By Al-Kashoash, Hayder A. A. / Abdalla, Turki Y.

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | WSNs consist of a large number of nodes that communicate using a wireless medium. Batteries are used to provide the nodes with the required power to operate their circuits. Replacement of batteries is impossible, in most cases, as the network is deployed in a large scale. Therefore, techniques that prolong the nodes' lifetime are required. A sensor node consumes energy in different activities like sensing, processing and communication. The maximum amount of energy is used in communication module. Therefore, development of proper transmission power control algorithm based on Fuzzy Logic System called Fuzzy Logic based Transmission Power Control algorithm (FLTPC). In this book, we have design Fuzzy Logic controller to control transmission power level in a sensor node based on some parameters like RSSI (Received Signal Strength Indicator) threshold and RSSI threshold range. Also experiments are done by Castalia simulator to determine these parameters. The proposed algorithm is characterized by the control of transmission power in both sender and receiver to save more energy | Format: Paperback | Language/Sprache: english | 124 pp.



Reviews

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Summer Fit Learning. Paperback. Book Condition: New. Paperback. 160 pages. Dimensions: 10.6in. x 8.3in. x 0.5in.Summer Fit Activity Books move summer learning beyond academics to also prepare children physically and socially for the grade ahead. Academic exercises are based on Common Core...

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Read Write Inc. Phonics: Yellow Set 5 Storybook 7 Do We Have to Keep

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 211 x 101 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read Write Inc. Set 1 and 2 sounds....

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Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a birthday coming up, she and her buddies...

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The Preschool Inclusion Toolbox: How to Build and Lead a High-Quality

Program

Brookes Publishing Co, United States, 2015. Paperback. Book Condition: New. 274 x 213 mm. Language: English . Brand New Book. Filled with tips, tools, and strategies, this book is the comprehensive, practical toolbox preschool administrators need to implement early childhood inclusion through...