

Table of Contents

	Page
Effect of the Error Estimation of Nodes in the Cluster Formation Phase in Wireless Sensor Networks with Adaptive Transmission Probability9 <i>Edgar Romo, Mario E. Rivero, and Iclia Villordo</i>	9
Performance Evaluation of Energy-Efficient Game-Theoretic Resource Allocation Schemes in OFDMA Cellular Networks.....19 <i>Emmanuel Duarte-Reynoso and Domingo Lara-Rodríguez</i>	19
Implementation of the Communication Protocols SPI and I2C using a FPGA by the HDL-Verilog Language31 <i>Tatiana Mileydy Leal Del Río, Luz Noé Oliva Moreno, and Antonio Gustavo Juárez Gracia</i>	31
Design of Hybrid Wireless Sensor Network to Monitor Bioelectric Signals Focused on the Study of Epilepsy.....43 <i>Laura Ivoone Garay Jiménez, Sergio Manuel Martínez Chávez, and Mario E. Rivero</i>	43
Designing a Virtual Domotic System Applied in Educational Environments51 <i>Chadwick Carreto Arellano, Elena F. Ruiz Ledesma and Claudia Marina Vicario Solórzano</i>	51
Arquitectura Web para análisis de sentimientos en Facebook con enfoque semántico59 <i>Carlos Acevedo Miranda, Ricardo Clorio Rodríguez, and Roberto Zagal- Flores</i>	59
Diet Generator Using Genetic Algorithms71 <i>Edgar-Armando Catalán-Salgado, Roberto Zagal-Flores, Yuliana Teresa Torres Fernández, and Alexis Paz Nieves</i>	71
Performance Analysis of a Wireless Sensor Network for Seism Detection in an Overlay Cognitive Radio System79 <i>Hassel Aurora Alcalá, Mario Eduardo Rivero, Izlian Yolanda Orea, and Ramsés Rodríguez</i>	79
Bitcoin y Privacidad 10187 <i>Armando Becerra</i>	87

Sistemas mHealth para la adquisición de señales EEG	91
<i>Fabian Reyes, Laura Ivoone Garay Jiménez, and Blanca Alicia Rico Jiménez</i>	
Aplicación móvil para ayudar al aprendizaje de niños autistas	103
<i>Jenny Laura Vega Hernández, Blanca Alicia Rico Jiménez, and Carlos Hernández Nava</i>	
Design of a Portable Embedded System for the Measurement of a Vertical Jump Height with Contact Platforms.....	113
<i>Adrián Antonio Castañeda Galván, David Elías Viñas, and Axel Elías X.</i>	
Biomechanical Analysis of the Taekwondo Techniques for the Design of an Electronic Breastplate with an Automatic Strike Detection	125
<i>Adrián Antonio Castañeda Galván, Enrique Arturo García Tovar, Victor Roberto Vázquez Téllez and Ernesto Balam Limón Villa</i>	