

Table of Contents

Page

Equations for Describing Behavior Tables in Thermodynamics Using Genetic Programming: Synthesizing the Saturated Water and Steam Table	9
<i>Martín Montes Rivera, Marving Omar Aguilar Justo, Alberto Ochoa Zezzatti</i>	
Implementation of a Reactive Model for Responding to a Trembling Earthquake: A Perspective from Virtual Reality and Multiagent Systems	25
<i>Miguel Pérez-Ramírez, Benjamin Eddie Zayas-Pérez, Rodrigo Beltran-Labra, Diego Márquez-Salazar, Carlos Alberto Ochoa-Zezzatti</i>	
Characterization of a Passenger Vessel Sinking and Finally Foundering in Lacustrine Environment	37
<i>Peter Oropeza, Diego Hurtado, Edgar Gil, Pablo Maldonado, Miguel Ruiz</i>	
Implementation of an Algorithm for the Transfer of Citrus Using an Intelligent Model for Trains	49
<i>Fernando García-Isidro, Julissa Martinez-Lugo, Alberto Ochoa, José Alberto Hernández Aguilar</i>	
Improving Travels of the Public Transport System of Guadalajara Using ACO	63
<i>Edgar Gonzalo Cossio Franco, José Alberto Hernández Aguilar, Alberto Ochoa-Zezzatti, Julio César Ponce Gallegos</i>	
Simulation and Application of Algorithms CVRP to Optimize the Transport of Mineral Metallic and Nonmetallic by Rail to Export Level	77
<i>Edna Cruz, Alberto Ochoa, José Alberto Hernández Aguilar, Eliud De La Cruz</i>	
Decreased Business Uncertainty by Using Bayesian Networks for the Paradigm Shift in Business Simulator	89
<i>Alberto Ochoa, Miguel Ruiz-Jaimes, Sandra Leon, Yadira Toledo, Iván Ramírez</i>	
Implementation of a Security Model for Malware Based on Artificial Immune System.....	103
<i>Santiago Yip Ortuño, José Alberto Hernández Aguilar, Carlos Alberto Ochoa Ortiz</i>	

Design of a Technology Management Infrastructure for Large Volumes of Data in an Intelligent Power Network	113
<i>Guillermo Escobedo Briones, Norma E. Jácome Grajales, Gustavo Arroyo-Figueroa</i>	
Development of a Framework for the Use of a Tool for Machine Learning and Data Mining	127
<i>Jacqueline Ramos Landeros, Ma. De Lourdes Margain Fuentes</i>	
A Comparison Represented in the Form of Radar of University Student Engagement in Degrees in Technologies.....	141
<i>Erika Yunuen Morales Mateos, José Alberto Hernández Aguilar, Carlos Alberto Ochoa Ortiz, María Arely López Garrido</i>	
Comparative Study of Learning Strategies of Bachelor Students in Nursing	153
<i>Mary Arely López Garrido, José Alberto Hernández Aguilar, Carlos Alberto Ochoa Ortiz, Erika Yunuen Morales Mateos, Carolina González Constantino</i>	
Intelligent Tutoring Systems based on Virtual Reality for the Electrical Domain.....	163
<i>Miguel Pérez-Ramírez, Norma J. Ontiveros-Hernández, Carlos A. Ochoa-Ortiz, José A. Hernández-Aguilar, Benjamín E. Zayas-Pérez</i>	